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BALTIMORE, JULY 4, 1885

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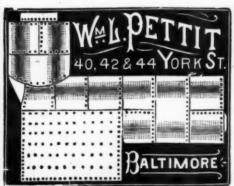
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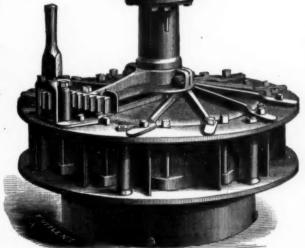
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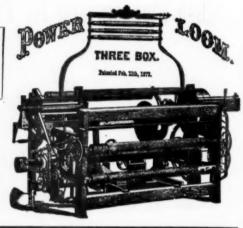
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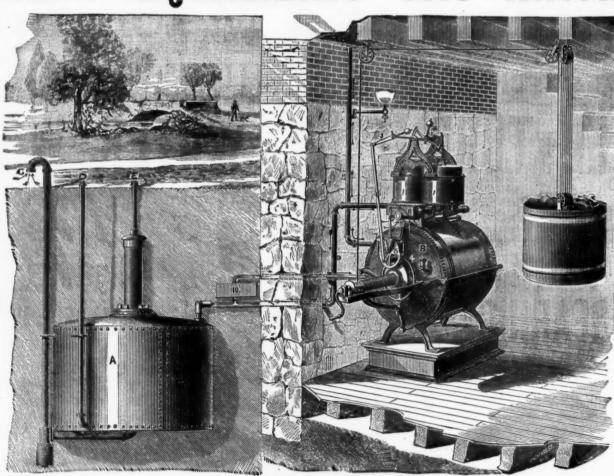
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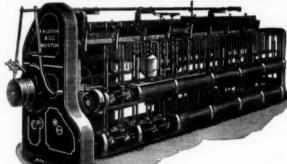
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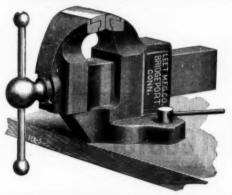
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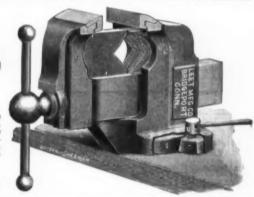


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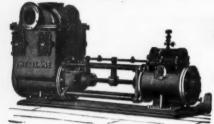
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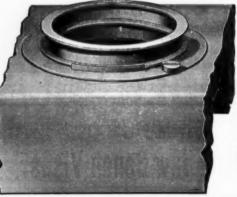
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	TA STORY INCO	TAGISTOCK O
	of Rings	Rings sole
	sold.	for repairs
1869	6,025	
1870		
1871	38,648	
1879		
1873	117,301	
1874	168,388	
1875	923,924	
1876		947
1877	270,811	946
1878		3,309
1879	336,918	
1880		
1881		
1882		22,515
1883	416,500	
1884		25,105
1885, 5 mos	.112,522	12,118
Total num		
ber sold in		
16 years	4,390,260	116,349

Total number in use 4,273,911.

The great durability of our Rings is shown by the fact that we have more rings in use over twelve years old than all we have sold for repairs.

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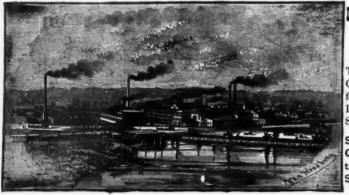
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Manufacturers' Record.

Published Every Saturday by BIGSBY & EDMONDS.

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BALTIMORE, JULY 4, 1885.

A CIRCULAR to Southern cotton mill-owners has been issued by the Graniteville Manufacturing Co., of Graniteville, S. C., the Pioneer Mills, Memphis, the Clegg Manufacturing Co., and the Swift Manufacturing Co., of Columbus, Ga., setting forth the unsatisfactory condition of cotton manufacturing and suggesting a pooling arrangement of all Southern Mills. Attention is called to the success attending the combination of bag manufacturers and how by this means they bave brought their business up from, as the circular says, "on the verge of bankruptcy" to a "flourishing condition and paying good dividends." The circular further says:

"We would suggest that all mills in the Southern States, especially those running on brown goods and yarns, pool their interests, and as there are too many goods manufactured for the demand, let the Board of Managers of the pool order as many mills as they may deem best closed-such mills as may close to participate in any profits the other mills running may make, in proportion to the number of spindles and looms they may contain. Should such a move be made, confidence in the dry goods and yarn trade would at once be restored, and within a short time we feel satisfied consumption would overtake production, and cotton mill owners would be as prosperous as the bagging mill owners are to-day. Until this is me, cotton mill property will be of little

We would further suggest that the pool have one agent only in each city to sell goods, so that there may not be so much competition. All favoring the above plan will please communicate with Pioneer Mills, Memphis, Tenn., or any of the other signers, so that we may agree upon some point for a convention, to be held at an early date, and some definite action taken. We think this move is of great importance, and trust all the mills in the South will see it in the same light that we do and render every assistance in their power to bring about such a result."

The Outlook for Business in South.

The outlook for business in the

South this fall is remarkably good, despite the general trade and industrial depression throughout the country. Even if there is no decided improvement in business this fall elsewhere, the South at least will, we think, be more prosperous than for several years, provided, of course, that no disaster befalls the growing crops, which at present give promise of wonderfully good yields. It is everywhere admitted that the condition of the cotton crop has rarely ever been better than it now is, and that unless it is seriously damaged, the yield will be not less than 7,500,-000 bales, and possibly considerably more. This, as everyone will understand, cannot be counted upon as a certainty, but so far advanced is the plant, and so excellent its condition, that a large yield is a reasonable expectation. The stock of cotton in the world's markets is greatly reduced, as compared with last year, and hence even a very large crop may not unduly depress prices. Moreover, as the crop has been produced at a much lower cost than in former years. planters can better afford to sell at a smaller price than in other seasons. There is no doubt but that a cotton crop of 7,500,000 bales, or over, would vastly stimulate trade and industrial interests in the South, and would largely assist in increasing the prosperity of all Southern railroad and steamship lines.

In addition to the fine cotton prospects, there are good indications of an unusually big corn crop. The acreage in corn is large, and the condition of the growing plant remarkably good. In fact, the South is now promised of corn, as of cotton, the largest crop ever produced. With abundant yields of these two crops, the leading staples produced in the South, a year of great activity in business may be counted upon with reasonable certainty. Stocks of goods generally are very low; farmers have for two years economized and put off the purchase of agricultural implements, the improvement of their dwellings, and the purchase of household goods, and hence if their crops are large, they will be liberal buyers, and as merchants are carrying light stocks, they would have to replenish their supplies very early in the fall. Manufacturers have avoided the outlay of money for new machinery, whenever practicable, and they, too, under the stimulus of big crops and better business, would be disposed to purchase more new and improved machinery. In the organization of new industrial enterprises, there is even now a very decided difference in favor of this year, as compared with the same time last year. During June, July and August, of 1884, there was a great dearth of new enterprises in the South, but, as our "Construction Department" will

fully attest, June, 1885, was a very active month, and the number of new manufacturing and mining industries organized was very large, while July starts out well, and every indication points to considerable activity in new enterprises during July and August. The outlook for prosperous times in the South this fall is, taking all things into consideration, very satisfactory.

The Possibilities of the Cotton Crop.

A few weeks ago we gave some speculations regarding the possible yield of cotton, based on the June report of the Agricultural Department, which says: "The total area exceeds 18,000,000 acres. The plant is healthy, the growth nearly average, and the stand good. The general average is higher than the three preceeding years in June." Commenting on these facts, we said: "Should these conditions be continued until the crop is gathered, the yield would be enormous. The general average is said to be higher than in June, 1882, 1883 and 1884. Now, the acreage in 1882 was 16,276,000, and the crop 6,949,-756 bales, or an average of 0.42# per cent. of a bale per acre for the whole South. The acreage for this year, however, is over 18,000,000 acres, or 1,800, 000 acres greater than in 1882. Should the final yield per acre be as good as in 1882-and the present condition, be it remembered, is better than in June of that year-the cotton crop of 1885 would be about 7,670,ooo bales, or over 700,000 bales more than the largest crop that has yet been produced. If the yield should average 0.45½ per cent. of a bale an acre, as in 1880, the total crop would be nearly 8,200,000 bales: while if it should only reach the general average of the last 15 years-0.3915 per cent. of a bale-the crop would still be a little over 7,000,000 bales."

Since the above was published, the Commercial and Financial Chronicle, in its review of the cotton prospects, puts the area planted at 18,710,000 acres. Basing our calculations on this acreage, and using the same average of yields as already given, the possible yield of the crop will considerably exceed our previous figures. Should the average yield per acre be as large as in 1882, the total crop would be a little over 7,970,000 bales, or say in round numbers 8,000,000 bales. If the yield should average 0.451 per cent. of a bale an acre, as in 1880, the total would be 8,500,000 bales, or about 1,600,000 bales more than the largest crop ever before produced.

That the yield will reach these enormous figures, we do not, of course, mean to even predict, for there are many dangers that the crop must yet encounter. Accepting, however, the Chronicle's estimate of 18,710,000 acres as the area in cotton, the present condition of the crop shows that we are face to face with the possibility of a yield anywhere from 8,000,000 to 8,500,000 bales.

The Negro's Advancement.

From whatever standpoint it may be viewed, the improvement of the negro race is a matter of vital importance to the South. This fact the Southern people themselves fully appreciate, and they are doing remarkably well in their efforts to advance the moral and educational interests of the negro. It so happens that in this issue of the MANUFAC-TURERS' RECORD we have two letters, one dealing altogether and the other in part with this subject. Mr. Geo. R. Cather, the editor of the Aegis, Ashville, Ala., who has contributed several very interesting articles to our columns upon the industrial progress of Alabama, sends us a letter setting forth some facts regarding the status of the negro in the South, and more especially in that portion of Alabama about which personal experience enables him to speak advisedly. Regarding this letter, Mr. Cather writes as follows:

Editor Manufacturers' Record:

In considering the industrial progress of the South, I think a brief letter on the negro status will do good. The RECORD is fast becoming the most popular journal in the country, and a large number of its reades in many sections would like to know the truth about the negro's status in the South. You will readily observe that my letter has no political significance, nor is it intended that any shall be given to it, the object being purely to show the status of the blacks to be in perfect harmony in accord with the rapid development of the South, and that the negro is not in the way of this progress, but keeping up with it. Yours traly,

GEO. R. CATHER.

Col. Avery, our Atlanta representative, who is chairman of the Board of Visitors to the State University, of Georgia, gives a few facts regarding education in that State, and shows the facilities for education enjoyed by the colored people of Georgia, and the progress that they are making. These two letters will, we think, be found of interest.

MR. G. W. GIBSON, of the Dow Wire Works Company, Louisville, whose letter regarding the proposed establishment of a wire work factory somewhere in the South was lately published in the MANUFACTURERS' RECORD, writes us under date of June 24th:

"My letter in the MANUFACTURERS' REC-ORD brought me letters from fourteen different cities and towns, and six different States. This shows that the RECORD is taken by some enterprising readers who are alive to the interest of their respective localities and are working in the right direction in order to increase the population of their cities."

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the MANUFACTURERS' RECORD offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more.

Educational Manufacture.

How Georgia Does in Her Higher Range of Education, Black and White.

SOUTHERN OFFICE,
BALTIMORE MANUFACTURERS' RECORD,
ATLANTA, GA., June 22, 1885.

During the last two weeks I have been engaged in an official visitation of the two leading white and colored educational institutions of the State, each of which receives \$8,000 a year from the State treasury. These are the State University at Athens, Ga., founded by the General Assembly a century ago, and the Atlanta Colored University, created by private philanthropy 17 years back.

The law authorizes the Governor to appoint a board of visitors of 10 gentlemen character and culture, who shall attend the closing examinations of the colleges, and make report to the executive, to be submitted to the General Assembly, of the scholastic results of the universities. I was on the board last year, and also this year, serving as chairman of the present body.

The State University has 6 departments, consisting of the university proper at Athens the medical college at Augusta, and 4 branch colleges of agriculture and mechanic arts at Dahlonega, Milledgeville, Thomasville and Cuthbert. The whole attendance of pupils is between 1,200 and 1,300, of which there are 200 at Athens, 135 at Augusta, 300 at Dahlonega, and the rest divided between the other points. The Athera University, besides the regular literary course, has a law school, a parliamentary law department, a school of practical agriculture, with an experimental farm, a school of practical engineering and railroad building, and schools of practical chemistry and physical science, with extensive laboratories of instruments and apparatus. It is hoped soon to have a school of practical mechanics, teaching work in wood and metals.

This university has a large and able faculty of professors at Athens, besides full corps of professors at each branch department. The methods of tuition are very thorough and progressive, while the standard of scholarship is high. The most advanced branches of an advanced curriculum are taught. The modern and ancient languages are taught.

The most valuable feature of this university, in the opinion of the board of visitors, is the technological education that is furnished. There are three branches of this practical instruction. The university can graduate young men able to build a railroad, run a farm or perform chemical analyses.

This venerable institution is under very fine discipline. The Chancellor of the University has inaugurated a plan of hono management with the finest results-a system that under the authority of command carries a constant reliance upon the honorable instincts of manhood. The sale of liquor has been abolished in the town of Athens, which removes all temptation from the boys to dis-

The Colored Atlanta University has about 300 students of all grades, the most of them in the grammar school. The yearly appropriation of \$8,000 to this colored institution, the same amount that is given to the white university, evidences the liberal spirit of our people to the blacks, and utterly negatives the idea so industriously circulated politically that the South does not treat the colored folks well. The colored pupils are well taught by a capable and painstaking faculty. Fully \$150,000 have been spent on the excellent buildings of this university-money donated by private parties and spent with admirable judgment and economy.

The problem of colored education has been one of the important ones in the South for test. The Southern whites have given a fair trial to it. The result is that the colored people have, as far as can be seen, shown a very excellent receptivity of educa-

tion. They learn slowly it is true, but still they learn pretty generally and in all branches. They demonstrate a desire for knowledge and industry, and capability of acquiring. The examinations were oral and brief, and, of course, confined to the brighter pupils in the short half hour allotted to large classes, but the results were creditable. And it must be said, in view of the fact that 20 years ago the blacks were hereditary slaves, universally illiterate, their progress in education is amazing.

The use that they will make of education remains to be seen. There is a large demand for colored teachers to educate the colored people, though as a general thing they prefer white teachers.

The Atlanta University has two technological branches for males, farming and carpentering, and two for the females, housekeeping and sewing. These departments are well run. The university has the Knowles building for wood-work and 17 sets of carpenters' tools, and the graduates are taught the use of tools and how to do every kind of wood-work. The boys are taught farming and take part in a competitive planting.

The difference between the white and black students is very marked. It shows heredity of talent and culture on the one hand and the opposite. The white mind is the more independent and original. The colored intelligence is imitative and susceptible to externals. It is less quick in soning than the white. The perceptive faculties are bright, the reflective duller. There is less thought and more obedience to drill and discipline.

The board of visitors expressed a profound interest in the enlargement of technological facilities of education. They felt that the South must have its own schools to educate its mechanics and physicists-its carpenters, miners, railroaders, mill managers, cotton and iron manufacturers, photograpers, telegraph operators, engravers, stenograpers, bookkeepers, pattern makers, &c., &c., &c. These two universities, the one white and the other black, have made a beginning in this line. The Athens University has \$40,-000 of practical apparatus. The movement must go forward. And it is one in which the readers of the MANUFACTURERS' RECORD can not but feel a profound interest.

I. W. AVERY.

The Black Race of Alabama Prospering and Happy.

ASHEVILLE,

St. Clair Co., Ala., June 24, 1885.

Editor Manufacturers' Record:

The negro population is not large in this county, although it has been augmented recently by the public improvements in the southern part of our territory. The blacks are usually well-behaved, and no trouble ever rises between them and the white people. They know their place and keep They have learned to regard the white people as their friends, and look to them for advice and direction. This is true in this county, and I believe the same condition of things exists throughout the entire State. The negroes are entitled to great credit for attending to their own business, and among them, of their own color, will be found good advisers and leaders. They find their confidence in their old masters, or their descendents, never misplaced, and to these they always go when in distress and trouble, or when engaged in any enterprise for their own benefit, where advice is wanted. And they know now where their help comes from -hence the ties of friendship between the two races are strong, and growing stronger. The blacks are improving in intelligence. Their educational and religious advantages are increasing, and in these they receive the greatest aid and encouragement from their white friends, who help them to build their churches and school-houses, and contribute largely to all their efforts of ameliorating their condition. The negro knows this, and as he develops in his moral conceptions and mental acumen, he appreciates his position as a necessity, and accepts his relation to the whites under the law, having learned by sad experience that his hope of advancement and of safety is alone in his strict adherence to the present order of society and submission to the direction of the superior race. When not under the influence of bad advisers, the blacks have never come in conflict with the whites; and in Alabamaespecially this part of the State-such advisers have left the country for the negroes'

There is no distinction here in the enforcenent of the law against evil-doers, white or black; the blacks know that no discriminations are made, unfavorable to them, in this respect, on account of color or previous ondition. They too often see their white friends suffering the same penalties of the law applied to those of their own race for similar violations. The records of the courts here will show that very few blacks are tried for violations of the penal code, and where such trials have occurred, they usually have been for minor offenses among themselves. Their character for peace, good order and sobriety can be successfully established by the records of the courts, and their progress in moral, religious and mental culture can be shown by the number of their church houses and school buildings, and the lively interest they now take in their own ducational affairs.

The negro has been taught self-dependence, and in proportion as he learns this he advances to usefulness. It is pleasant to admit the fact that within the last few years he has been making considerable progress in this particular. While the big-mouthed philanthropist has been noising about the negro of the South, and the shrewd politician has been using him for the selfish end of personal notoriety and as a hobby to ride into office, the Southern white people, without any fuss and without the hope of gain or profit, except so far as the blacks could be made useful to themselves, and thus the labor and order of the South could be improved thereby, have taken hold of the culture of the black race, and the fruit of their efforts is manifest in the general improvement made by the negroes in quite a brief period. this county alone there are a large number of farmers-who own their farms and stock -among them. Their organizations are conducted in a business-like manner by themselves, and their schools are taught by their own teachers.

I speak only for Alabama, and especially for this part of the State where I am thoroughly acquainted with the relations of the two races to each other, and I assert that the facts stated here, whatever may be said by designing persons to the contrary, are well established and true, and my object in the statements is to remove a false impression, current among well-thinking people in other sections, about the status of the blacks in the South, so far as this State is concerned. and to inform everybody who cares to know the truth that the white people here are fully alive to the fact that the condition of the negro is intimately connected with the progress and prosperity of the South. Investigation into the facts by any one really interested in the welfare of the black people will reveal the truth of what I have related, to

1. That the utmost justice is meted out to the black population.

2. That the utmost confidence and harmony exist between the whites and blacks in their busine s transactions

3. That the social condition of the blacks among themselves has been greatly improved within the past few years; and that the progress in their moral, intellectual and religious culture, within a comparatively short period, is very marked.

I do not hesitate to say now that impartial investigation of the subject will demonstrate the fact, beyond all question, that the blacks of the South are rapidly becoming useful citizens and a law-abiding people, and, above all, that they are happy and contented, and with the wonderful improvement of this country that they are gradually prospering and progressing in their condition generally. Southern people will settle the negro problem. GEO. R. CATHER.

Southern Pig Iron.

Editor Manufacturers' Record:

One of the great objections and difficulties incountered by the consumers of "Southern pig iron" has been the high percentage of phosphorous and silicon in the pig, carsing castings to be rotten and weak, and making mill iron difficult to work, and making cold short iron, will now in a measure be overcome by the use of the better classes of the rich hematite ores from the Anniston district, with the silicon fossiliferous ores of the Birmingham and Chattanooga districts. The mixture is found to improve the softness and strength to a marked degree.

The result is large shipments of iron ore from Anniston to Birmingham; while the cost of the iron is increased the makers are more than compensated by the improved quality.

The abundance of excellent rich ores in the Anniston district, producing iron of such excellence, will lead to the construction of coke furnaces and steel plant. The district certainly presents greater facilities for making good iron and steel, and making it cheaper than any point or district in the MINING ENGINEER.

Notes * From * Dixie.

BY CHAS. H. WELLS

Last week I took a run up to New York by the East Tennessee Air Line from Atlanta, and after my experience cannot see why every tourist going North from the Gate City does not take that line. The time is fast; the trains are clean; there is but one change of cars between Atlanta and Hagerstown, Md., from where there is a choice of two routes, one, via "Western Maryland" to Baltimore, and one via "Cumberland Valley" to Harrisburg, Pa., and thence to New York. The East Tennessee Air Line passes through a high mountainous country where there is no dust at all-in fact, none of the tourists wear dusters. I am pleased to see that every day the E. T. V. & G. Railroad is making headway against all competitors, and is meeting with deserved success. It certainly proves its claim to be "the best, fastest, most comfortable line between Atlanta and the North."

While in Knoxville the other day, Major O'Brien, the general superintendent of the East Tennessee, Virginia and Georgia Railroad, quoted me some interesting figures to show how the road was gaining under the new receivership. The receipts of the road for the first week of June were \$33,540 as against \$18,780 during the same period in 1884. Major Fink, the receiver, is one of the best railroad men in the South, and with such able coadjutors as General Superintendent O'Brien, General Freight Agent Ogden and General Passenger Agent Wrenn, the E. T. V. & G. is bound to surpass all competitors; at present the road is running four through fast passenger trains every day between York and Memphis, Tenn., and New York and Florida.

Our Southern friends who take a trip North this year should make a trip to Buffalo and Niagara Falls by way of the Lehigh Valley Railway, which goes through Mauch Chunch, the "Switzerland of America." your fast time! The other night I came over on their fast train-"the Comet"-and lis th:

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she averaged a little over fifty-four miles an our for one hundred odd miles, the run being made from Buffalo to Hornesville at a speed which beat the fastest record, 35 minutes in 93 miles! It is a good sche to go to Niagara by way of the Lehigh Valley and then branch off at Elmira and take in the "Lake Region" of Central New York. It's amazing how much ground one can get over in two weeks and how much one can

I came back from New York to Charleston by the steamship "City of Atlanta," and want to say a good word right here in be-half of that delightful "tourist route." You leave New York Wednesdays and Saturdays and reach "the City by the Sea" (as Editor Dawson loves to call Charleston) in about seventy hours. Elegant meals are served on board the boat, the rooms are comfortable, and the voyage, especially at this season, is delightful. Captain Lockwood, of the City of Atlanta, is as genial a gentleman as one will meet in many a day, and the tourist who goes by his boat may be sure of good treatment and polite attention. The Charleston agents of this line are James Adger & Co., at Adger's wharf, Bay street; the New York agents are J. W. Quintard & Co., of 165 West street, opposite the company's wharf, at the foot of Park place.

A gentleman from Camden, Maine,-where they put up "mustard sardines," which are as imported fish, writes to know if oyster planting is extensively carried on in North Carolina and South Carolina. Unfortunately, it is not. Some time ago the Elizabeth City (N. C.) Economist printed a long article showing what fine results came from oyster planting, but the article was not productive of any large results. The inlets nd coasts of the Carolinas offer advantages far surpassing those of Maryland, where there has, of late, been such a furore over oyster culture. It costs but little money to grow the bivalves and there is always a market. A fish dealer in Norfolk, Va., writes me that the city of Norfolk shipped \$400,000 worth of oysters South during the season of 1884-85, while the shipments of Baltimore must have been fully as large. . .

A dispatch, over the date of June 18th, to the New York Tribune, says: "A new and important railway line is under consideration by New York capitalists, and will be built at an early day. It will extend from Bristol, Tenn., to Mt. Airy, N. C., and thence to Danville, Va., connecting the East Tennessee Virginia & Georgia and the Norfolk & Western roads with the Cape Fear & Yadkin Valley and the Richmond & Danville. A line from Danville to Claremont, on the James river, is now building. When complete this line will be over 100 miles shorter than any existing route from Cincinnati to the Atlantic seaboard. The money to build the road from Bristol to Danville via Mt. Airy has been pledged." It is to be hoped this is true. The line from Danville to Claremont, referred to in the dispatch, has already been completed for fifty-five miles. The Cape Fear & Yadkin Valley people ought to encourage the building of the road from Mt. Airy to Bristol, and they probably will.

A North Carolina dispatch to one of the New York papers says that the dispatch published in the New York Herald, to the effect that the Warm Springs Hotel, recently destroyed by incendiaries, has been rebuilt and will accommodate 500 guests, is a canard, doubtless manufactured by the railroad to draw people there from Richmond and the low country. The hotel will not be rebuilt. Hundreds of people are coming to the springs only to learn that there are no acmmodations. The insurance companies have not yet paid the losses upon the burned one year, or six months for \$1,50.

buildings. I think it is hardly possible the Richmond & Danville people would descend to tricks of this kind to get passengers over their road. I met young Mr. Rumbaugh (whose father owns the property) and he says the whole place is for sale for \$40,000.

A new literary venture, of considerable pretensions, is to be launched in Atlanta at an early day. It will be an elegant 40-page illustrated monthly magazine, semi-literary, but devoted to Southern progress and development. Its motto: "Of the South, for the South, and by the South"-name "Dixie." The first issue appears August 15th. Offices in Constitution building, Atlanta-terms \$2 a year; single copies twenty cents. Among the regular contributors to the magazine are Paul Hamilton Hayne, Fanny Wallis Rheinfelder, Elizabeth Winslow Allderdice, Samuel Noble, Donald Aylesworth Baine and Clement Mason. I am glad to know it has every assurance of success. . .

A magazine of this character has long been needed in the South, and I am quite sure it will be widely read at the North. Among the special articles which the managers announce in their prospectus, are "The New South," a poem by Mr. Hayne; "Among the Moonshiners"-illustrated-by Mr. Baine; an article on the tariff, by Mr. Noble, the founder of Anniston, Ala.; an article on the tariff, by Hon. Samuel J. Randall, of Pennsylvania; and an illustrated sketch entitled "Bits of Virginia Scenery," by Clement Mason. The orders already received for sample copies are large, and evidence an interest in the new publication.

In a number of Southern newspapers is agitated the subject of a new railroad from Savannah to Lumber City or Eastman, or some other wide-awake place on the East Tennessee, Virginia & Georgia Railroad. It is stated that a charter will be applied for at the July meeting of the State Legislature of Georgia. The road would give Savannah a closer connection with interior points than is now enjoyed, besides opening up a large territory, the trade of which Savannah could easily secure. It is not at all probable the Central Railroad & Banking Company, of Georgia, will sit quietly down and see this road built, since that powerful corporation has always gobbled up every enterprise that had Savannah for its objective point. If the road is built, it will be by local capital, and Savannah will have to come to the front with a pretty big sum of money to guarantee success.

DRIFTWOOD.

All communications with reference to 'Dixie Notes" after July 1st must be addressed to me, "care rooms 12 and 13, Constitution building, Atlanta, Ga".- Lexius Henson. the popular colored restaurateur of Augusta. has purchased the building lately occupied by the Chronicle newspaper, and will convert it into a dining soloon and refectory. He paid \$14,000 for the property.- A new coal corporation has been formed in Augusta for the purpose of delivering coal to consumers at the fixed rate of \$6 per ton. The company will undertake to pay its stockholders a dividend. Last winter the Augusta dealers charged \$8 per ton for coal.communication of A. D. H., Port Jervis, N. Y., will be answered in "Dixie Notes" next week.-Knoxville, Tenn., has a live new daily paper, the Journal. --- The "season" at Asheville is now in full blast, and the notables are arriving.

If you are not already a subscriber to the BALTIMORE MANUFACTURERS' RECORD, send us \$3 and you will receive it regularly for

A Mineral Empire.

W. E. Horne, of Turkey Heaven, Cleborn county, Ala., writing to the New "Turkey Orleans Times-Democrat, says: Heaven," the highest point of the Appalachian chain in Alabama, overlooks the gold fields of Abercouchee, which yielded forty years ago three and one-half millions of

From it to the northeast you can see Kennesaw Mountain, in Georgia, where Sherman with blood made the surface soils as crimson as the gleaming mineral oxides below.

Here, long dormant, in the very heart of the South, lies a mineral empire, and "Turkey Heaven," rising above the floating clouds below, will become to the incoming miners of the near future what Mount Hood, Shasta Bute and Pike's Peak were to the earlier miners of the Pacific. It will be a mining center, for from it northward in unbroken lines run the gold and silver-bearing veins, which, from erosions in the past, have flooded and enriched with disintegrated ores the fields and valleys below, while to the South the receding mountains, full to the brim with minerals, fade away from forests of green to mists of blue.

On the west stretch away undulating areas with countless seams of coal rimmed by mountain ranges of iron, which in quantity is so vast that the figures for measurement run into the measurelessly unknown! Here, where but a few years ago there was a barren plantation, Birmingham is busy with its coal, iron and limestone-a thing accomplishedand a city.

In the east, on the margin of this mineral domain, which, widening through Georgia, touches the borders of South Carolina and embraces all of Western North Carolina, is the Gate City of the South-the city of energies, Atlanta!

A mineral king will supplant in these mountain homes the ancient royalty of cotton. The miners' pick will dig in these hills graves for the old and pathways for the new. Cotton, the negro and the mule will migrate to the tertiary zone, lands formed in recent periods, full of fructifying humors, where the hot sun and shade, syren sisters, while broadening the fibrous leaf of cotton, woos to voluptuous slumber the African race.

An artery of gold, running through North Carolina, Georgia and Alabama, has been tapped only here and there, say at Dahlonega in Georgia, where there was once a mint; at Villa Rica, Abercouchee and Blue Creek in Alabama, yielding immense sums from the loose sands and gravel. This was prior to the discovery of gold in California. The fissure vein and the stamp mill for crushing ores are of the present, not of the

Ruby silver in Alabama, a piece of which, imbedded in quartz, lies before me, is as bright as the burning jeweled eye of the

Almost at my feet a fissure vein of gold feeds with broken quartz two streams which run away into the valley out of which, from a pit eight by ten feet, sixteen pounds of gold was taken.

A nugget of gold worth \$265 was found on the Allen place, where for years it has been the habit of the family to search successfully, after heavy rains, for large and small nuggets. It is said old Mrs. Allen really found \$3 worth of gold in a turkey's craw, though her place is not on "Turkey-Heaven." A chimney, built in a crude way, after a heavy rainfall, showed a gleaming nugget worth \$13. A find of \$3,400 was made in a day by a dissipated miner, who was never sober afterward.

Silver and gold combined in true fissure veins are to be found running throughout the entire belt, assaying on the surface 16

Mica and kaolin are found in ledges running parallel with the gold and silver veins. Mica is the most beautiful of all the minerals, and is found here in great abundance. I have seen sheets perfectly translucent that vould square 16 inches

Talladega, a city of pleasant associations and bright citizenship, should be to this rich gold, silver, mica and kaolin belt what Birmingham is to the coal, iron and limestone. The gods seem to have made it, by special endowment of water facilities, a place for the manufacture of porcelain wares. She can command a limitless supply of the purest and whitest kaolin, samples of which took the premium at the Centennial of 1876 over the kaolins of China, Germany, England and France.

We pay over \$13,000,000 a year for foreign imported china which could be made at

A stamp mill has but recently been erected near Col. Steeds', in Clay county, Ala., for crushing gold ores, and others are to follow When your Exposition opens again the

When your Exposition opens again the ming winter, Alabama can put on exhib n some very rare and rich ores—enough tion some very rare and rich ores—enough, at least, to suggest the wonderful richness of a mineral empire, the extent and value of which has been heretofore unknown.

Thoughts on Boiler Explosions.

Nearly every day or two we read telegraphic accounts of boiler explosions. The cause is in many cases the fault of owners of mills-cheap labor. In all mills when first put up, the engineer or mechanic will run it for two or three weeks, or a month. Then the owner will pay him off and discharge him. The next thing the owner puts in the laborer or the firemen to do the work of the engineer. Everything goes well for some time. Then trouble begins. The engine is broken down. The owner sends foundry for help. Next, the water gets low in the boiler; it leaks; the owner looks at it and his fireman don't know what caused it. The owner tells the fireman "that's not much of a crack. We will keep to work." The boiler leaks a little more; he has not time to fix it now. The fireman thinks it's all right. The next thing the boiler blows

all right. The next thing the boiler blows up and kills ten or twenty men, tears the mill all to pieces; loss \$10,000 or \$20,000. This is for not having a man that knows his business. It costs a little more money to employ a man who has served five or six years to learn a trade.

Machinery is like a man. It gets sick sometimes, and very sick when there is anything going wrong. It must be looked after immediately. Here is where the mechanic acts the doctor. He knows what part is wrong. He knows where to remedy the evil and does it right off. There is hardly one mill in twenty but is run by some laborer, or some one who knows only how to stop and start the engine; though these sort of men are friends for the foundry and boiler makers and blacksmiths. But it does not pay the owner of the mill in the long run. He has always his hands in his pockets, paying out often more than is taken in, for it is leaking out so gradually, until he ets, paying out often more than is taken in, for it is leaking out so gradually until he foots up his extra repairs for the year. Then he finds that he has paid out from \$1,000 to \$1,500. Not only that, but the machinery is all patched and looks as if it could not be made to move. There is machinery is all patched and looks as if it could not be made to move. There is another thing. He wants to sell. His mill cost \$10,000. I want a mill. I look at it. "What do you want for your mill?" "I'll take \$9,000 for it." I would say to him: "I would not give you \$1,000 for it. It is worn out."—Correspondent Mobile Register,

A Big Brick Contract.

CINCINNATI, OHIO, June 28, 1885. Editor Manufacturers' Record

I notice in your issue of the RECORD dated 27th June an item stating that "Gatchel & Fox, of Louisville, Ky., have a contract to furnish 5,000,000 brick to a Cincinnati firm." I wish to state that the undersigned, Jonathan Creager & Son, brick machine builders at Cincinnati, O., have secured a contract with Proctor & Gamble to make for them, on their ground at Ivorydale, O., 5,000,000 brick, to be made with Creager's Grand Automatic Brick Machine, with Pug Mill attached. I have sold to Mr. E. B. Fox, of Louisville, Ky., one-half interest in the contract, which is now under way. By making the above correction you will oblige HARRY M. CREAGER.

CONSTRUCTION DEPARTMENT.

E PUBLISH, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

ALABAMA.

F. V. Anderson, Birmingham, Ala., has sold iron lands near Attalla. Ala., to parties who contemplate erecting a furnace.

A sash and blind factory is being completed at Union Springs, Ala., for C. H. Dudley & Son

T. H. Carr, Montgomery, Ala., will add the manufacture of candies to his cracker factory.

The Manhattan Water Works Co., New York, have, through their agent, W. G. Brockway, made a proposition to furnish water-works for Selma, Ala., to cost \$125,000.

Wm. Flesh, of Philadelphia, Pa., reported last week as prospecting in Birmingham, Ala., has, with Mr. G. W. C. Lomb, Birmingham, Ala., incorporated the Birmingham Stove Co., capital \$15,000, to manufacture stoves. Will erect a factory.

Extensive improvements are being made at the Huntsville, Oil Mills, Huntsville. Two car-loads of machinery have

The Tennessee Coal Mines, near Birmingham, Ala., will increase their output from 30 to 100 tons a day.

Finley & Kennedy, Pollard, Ala., are building a cotton gin and grist mill.

A. Gimmel, of Montgomery, Ala., is in the North and will purchase new and improved machinery for his shoe factory.

ARKANSAS.

Plans and specifications are being drafted for a complete system of sewerage at Hot Springs, Ark.

Extensive improvements will be made at the Pine Bluff Compress, Pine Bluff, Ark.

The contract for building the additions to the penitentiary, Little Rock, Ark., has been let to J. R. Miller at \$55,975. The contract for erecting the Institute building has been let to Martin Sinnot at \$38,750.

FLORIDA.

Demens & Co., Longwood, Fla., will, it is reported, erect a saw mill at Altamont Station, Fla.

Dr. I. N. Bishop, I. F. Welborne, E. R. Trafford, Fay S. Phelps, R. H. Marks, Dr. B. F. Cory and J. E. Ludden, have incorpo. rated in Florida the Sanford & Lake Eustis Railroad Co., to build a road from Sanford to Lake Eustis; capital \$100,000.

A large new engine has been purchased for the water-works, Jacksonville, Fla.

The Diamond Match Co., Chicago, Ill., have taken the Sanford Mill, Sanford, Fla.; will extend it 150 feet, and convert it into a palmetto fibre factory.

Alex. St. Clair Abrams, of Tavares, Fla., is in the North, and will make arrangements for refitting the saw and planing mill at Tavares with new machinery, as previously reported.

The Atlantic Coast, St. Johns & Indian River Railroad Co. will build a branch from main line to New Smyrna, Fla.

Work has begun on another canning factory in Apalachicola, Fla., by the cor that is building the ice factory. B. T. Howland can probably give particulars.

Alexander Coen, Wheeling, W. Va., has completed a saw mill near Sanford, Fla., to manufacture orange boxes, lumber, etc.

It is reported that a two hundred room hotel is to be built at Crescent City, Fla.

Another saw mill is to be established in Plant City, Fla. W. H. Barlow & C. C. Davis, of Long-

wood, Fla., will, it is reported, establish a

moss factory near Lake Jesup. The furniture factory previously reported as to be built in Welshton, Fla., is to be put up by Welsh's Furniture Factory Co.

The capital stock, \$50,000, of the Tampa Street Railroad Co., Tampa, Fla., previously reported, has all been taken.

Mrs. Field, of Boston, Mass., has contracted to build a hotel at Bayard, Fla.

GEORGIA.

Wilson & Spangler have bought the planing mill of C. C. Buchanan. Waycross, Ga.

The Macon Cotton-Seed Oil Mills Co., Macon, Ga., have decided to enlarge their business and will erect a building for the manufacture of fertilizers, and also one for the manufacture of soap. Work will probably begin at once.

Ias. A. Lewis & Co. will establish a clothng manufactory at Columbus, Ga. Is now in the North negotiating for machinery.

W. P. Bussey & Co. have received a lot of ew machinery for their planing mills at Barnesville, Ga.

There is some talk of starting a match factory in Barnesville, Ga.

Hamburger & Stafford, Barnesville, Ga., have added new machinery to their planing mills to manufacture furniture.

The Crompton Corset Co. have established a corset factory in Atlanta, Ga.

J. A. Atherton, Too Nigh, Ga., is erecting a new saw mill.

J. E. Ellis, Macon, Ga., whose planing mill was burned, as reported last week, (loss about \$8,000,) hopes to commence rebuilding in 30 days.

There is some talk of a \$40,000 hotel in East Rome, Ga. KENTUCKY.

The Long & Bro. Chair Co., Louisville, Ky., have sold their factory to a syndicate, represented by Wm. Kaye, for \$26,500. The new company has a capital stock of \$100,000

The Louisville Bridge Co., Louisville, Ky., have secured the contract to build a bridge at Nashville, Tenn., to cost \$90,000.

J. A. & J. W. Wood, of Owensboro, Ky., has purchased a site in West Louisville, Ky., and will erect a grist mill,

Mitchell, Tranter & Co., Covington, Ky., have overhauled their machinery.

Harrodsburg, Ky., will decide by vote whether or not to have water works.

The Eureka Gas Co. have submitted a proposition to furnish gas to Maysville, Ky.

W. S. Johnson, John H. Barrett, Jr., P. J. Marrs, John O'Byrne and B. G. Witt have incorporated in Henderson, Ky., the Henderson Cotton Mills, to manufacture cotton goods. Capital stock not to be less than \$100,000 nor more than \$500,000.

LOUISIANA.

Major J. M. Gillaspie intends to build a narrow-gauge road from his plantation near Newelton, La., to Hard Times Landing, La.

I. A. Blaffer will erect brick kilns at New Orleans, La., to cost \$6,000.

Geo. B. Westcott has purchased the carriage factory of Geo. E. Lambert, Chestertown, Md.

Joshua C. Smith, Horace Stokes, J. Thos. C. Hopkins, Stevenson A. Williams and Frank H. Jacobs, of Harford county, Md., have incorporated the Susquehanna Flint Co., to mine and manufacture flint, feldspar and other minerals. Capital \$37,000, with principal office at Berkley, Harford Co., Md.

Edwin W. Darby has purchased and refitted the mill of A. J. Delashmutt, at Araby, Md.

Walter K. White has purchased the mill of W. H. Yingling & Son, Carrollton Station, Md., for \$4,800.

Henry Brusstar & Bro. have purchased of Jacob Tome, the Chesapeake Marine Railway on Philpot street, Baltimore, Md. New furnaces have been added to the engines, machinery overhauled, and parts of the railroad rebuilt.

R. Armiger & Son will erect a four-story brick factory, 33x70 feet, on Greenmount avenue, Baltimore, Md., and a four-story building, 50x73 feet, in the rear.

MISSISSIPPI.

Steps are being taken to organize a stock company to light the streets of Biloxi, Miss. The mayor can give particulars.

Mattingly & Co., Vicksburg, Miss., previously reported as building a corn mill, have received a part of their machinery.

An effort is being made by Messrs. Addison Craft & Samuel Frank, Holly Springs, Miss., to organize a company to build a cot-

The Mississippi Carding Co, have nearly completed their building and will soon begin manufacture of batting at Meridian, Miss

A handle and spoke factory has been started at Batesville, Mississippi.

Dan Phelan has purchased ground in Vicksburg, Miss., and commenced the erection of a two-story building to be used as a carriage and wagon manufactory.

NORTH CAROLINA.

Joseph E. Pogue will establish a tobacco manufactory at Raleigh, N. C.

Mr. Hotchkiss is making arrangements to develop gold lands near Monroe, N. C.

A saw mill, it is reported, will be located at Asheboro, N. C.

John B. Killingsworth, of Yeatesville, N. C., will build a steam grist mill and gin at Bath, N. C.

B. H. Thompson, Aurora, N. C., has purchased a new mill.

The mill of Thos. Moore, near Snow Hill, N. C., has been damaged from \$3,000 to

An organization is being formed in Raleigh, N. C., either to build a tobacco factory or to encourage the starting of such an enterprise. The capital stock is to be \$10,000. W. C. Stronach, W. G. Upchurch and others have been appointed to ascertain cost of necessary machinery, &c.

The new grist and flour mill now being built by R. E. Jones, Goldsboro, N. C., will

SOUTH CAROLINA.

An oil and fertilizer mill has been organized in Anderson, S. C., with capital stock

It has been decided to rebuild the Roman Catholic Cathedral at Charleston, S. C.

A chinaware factory has been established at a cost of about \$10,000, at Miles Mill, near Columbia, S. C., by a Mr. Jervey, of Charleston, Mr. Cahill, of Edgefield, S. C.,

W. M. Coleman, Rocky Spring, S. C., has repaired his grist mill.

George F. Chidsey has secured an interest in a patent harrow, and will manufacture it at Viola, Tenn.

Dr. J. M. Bailey, representing a Boston, Mass., syndicate of capitalists, and W. D. Iones, of Philadelphia, Pa., will probably build the South Atlantic & Ohio Railroad from Bristol, Tenn., to Big Stone Gap, Va. This road will open up extensive coal and iron lands.

Extensive improvements are being made, and one hundred coke ovens will probably be erected at the Daisy Coal Mines, Daisy,

St. Paul's Episcopal Church will build a new church in Chattanooga to cost \$40,000.

Loeb & Mook, 213 Main street, Memphis. Tenn., will establish a steam laundry in that city.

F. W. Wright, Elkhart, Ind., reported last week as negotiating with a view of establishing a saw mill in Chattanooga, Tenn., desires to locate in the South, but cannot do so until he can dispose of his present business.

C. Troup, Watseka, Ill., reports that his negotiations for the erection of a grist mill in Chattanooga, Tenn., have been dropped.

A creamery and cheese factory will probably be started in Gallatin, Tenn.

J. H. Howe contemplates building an ice factory at Nashville, Tenn.

TEXAS.

A furniture factory is being projected in Beaumont, Texas.

The Hotel Bogel Co. has been chartered in Dallas, Texas; capital \$50,000.

The Brownwood Roller Mill Co., capital \$25,000, has been chartered in Brownwood, Texas.

Waxahachie, Texas, is talking of an oil mill.

The Jefferson Lumber Co., Jefferson, Texas, will probably build a large mill at Atlanta, Texas.

The Abilene Mills, Abilene, Texas, will be greatly enlarged and new improved machinery put in.

Parties from Dallas, Texas, have made propositions to build the water-works at Abilene, Texas, on a larger scale than is now being built by Northern contractors.

The Central Railroad will build a 5-mile branch from Hutchins to Lancaster, Texas.

W. A. Huffman, Cleburne, Texas, expects to tear down his burr mill and build a large roller process mill.

Hillsboro, Texas, will build a \$10,000 school house.

The Dixie Foundry & Machine Co., capital stock \$10,000, has been incorporated in Tyler, Texas.

W. H. Prather and others, of Dallas, Texas, have incorporated the Dallas Land and Street Railroad Co.; capital stock \$100,000.

VIRGINIA.

The Lobdell Car Wheel Co.'s Walton Furnace, Max Meadows, Va., has gone into

Several small mines are being developed at Pilot, Va.

LOCKWOOD, GREENE & CO. MILL ENCINEERS

Office, 65 Westminster St., Providence, R. I.

Carefully prepared plans, specifications and esti-nates furnished for the construction, equipment and eganization of new mills and the revision and im-

Jno. W. Critzer, near Staunton, Va., has has completed a shop where he will manufacture wagons.

Hiram M. Roudabush is putting machinery in his mill, Cross Roads, Rockingham county, Va., to manufacture patent roller flour.

The City Council, Danville, Va., are discussing the lighting of the city by electric light.

The Bank Street Baptist Church, of Norfolk, Va., will probably erect a \$20,000 church, and the Bute Street Methodist Church will build a \$25,000 church.

A New Jersey manufacturer is in Lynchburg, Va., prospecting, with a view to establishing a shirt factory.

Witz & Holt, Staunton, Va., are putting new machinery into their flour mill, and greatly improving the mill.

The Westham Granite Co., of Richmond, Va., have secured contract for granite work on the South Carolina State House for \$57,005.

A small furnace has been built at Robertson's Gap, Va., by parties who have commenced mining.

Russell Wallace, Augustus Wright and Robert Collier, of the Upper Appomattox Company, Petersburg, Va., have purchased the water power and site of the City Mills, recently destroyed by fire, for \$9,000, and will, it is stated, rebuild.

The Old Virginia Nail Works, Lynchburg, Va., will shut down for a while for repairs.

WEST VIRGINIA.

A company is being formed to buy a crusher and develop quartz mines near Brush Creek, W. Va.

Proposals will be received until July 28. by John E. Peck, superintendent, for erecting gas works and lighting the penitentiary at Moundsville, W. Va.

John F. Dezendorf, Hector McNeil, A. S. Greggs, Thomas A. Mitchell and S. F. Nichols, of Washington, D. C., have incorporated in West Virginia the Long-Fibre Cotton Gin Co., to manufacture long-fibre cotton gins; capital not to exceed \$1,000,-000, with principal office Washington, D. C. John F. Dezendorf, Corcoran building, Washington, can be addressed on any business for the company.

Alonzo Loring, George Wise, G. B. Caldwell, A. W. Kelly and C. R. Hubbard, of Wheeling, W. Va.; J. D. Dubois and J. P. Gilchrist, of Leatherwood, Pa.; and H. H. Hornbrook, of Elm Grove, W. Va., have incorporated in West Virginia the Wheeling Steel Works, to manufacture and deal in iron and steel in all forms. Capital not to exceed \$1,000,000, with principal office at Wheeling, W. Va. Will erect a steel plant to cost from \$200,000 to \$250,000.

The Bellaire Gas & Oil Co. have been incorporated in West Virginia by R. W. Muhleman, W. Vorgthy, S. O. Cummins, D. B. Crathy, J. T. Adams and D. Q. Steer, of Bellaire, O., to mine for gas and oil. Capital nominal, with principal office at Wheeling, W. Va.

The American Water Bar Grate Co., of Pennsylvania, has been incorporated in West Virginia by Isaac W. Swallow, Kinston, Pa.; Jno. H. Sinsabaugh and W. Fowler, Jr., Philadelphia, Pa.; Samuel T. Thomas and Byron T. Akerly, Scranton, Pa., to manufacture and introduce grate bars and other apparatus for economizing heat and power. Capital not to exceed \$100,000, with principal office at Philadelphia, Pa.

It is stated that J. H. Bennett, Fairmont, W. Va., has received contract to build an 8 mile railroad from Sewell Station, W. Va. to

The American Fire Proof Construction & Sky Light Company, has been organized in West Virginia, capital stock \$100,000, by J. Franklin Stuckert, of Philadelphia, Pa., and others; main office in Philadelphia.

The Wheeling Nail Co., Wheeling, W. Va., in connection with other nail makers in that vicinity, will erect steel works (to be known as the Wheeling Steel Works) at a cost of from \$200,000 to \$250,000. The particulars of the organization of this new company are reported in this issue.

The Harvey Paper Co. has been incorporated in Wellsburg, W. Va. by Benjamin Harvey, W. H. Harvey, G. W. Rice, S. George Abram and W. S. Abram, to manufacture and sell paper; capital stock \$32,000.

BURNED.

The machinery of the Louisiana Brewing Co., New Orleans, La., badly damaged by fire.

Saw mill of J. W. Favors, fourteen miles from Columbus. Ga.

The tobacco factory of P. D. Mosby at Clarksville, Tenn.

The grist and flouring mills of W. S. Sizemore, Aiken, S. C., badly damaged by

The distillery of Mattingly & Moore, Bardstown, Ky., damaged \$5,000 by boiler explosion.

The boiler-house of the Montevallo Coal and Iron Co., Aldrich, Ala.

The brick flour mill of Irvin & Callan, Washington, Ga. Loss \$12,000.

A New Gin Manufacturing Co.

NASHVILLE, TENN., June 28, 1885. Editor Manufacturers' Record .

On June 15th the Ralston Ginning Co. of Nashville, Tenn., was organized, and immediately set parties to work building the Ralston gins and cleaners, preparatory to filling, as far as possible, the 240 orders we have for this machinery. We expect now to want from 400 to 600 of these machines next year, but as yet have not decided as to the extent of the works we will build in time to do this business, which will in all probability be erected in Nashville. The company propose to rent to the planters a plant of this machinery, consisting of two sixty-saw gins and one large cleaner, and furnish an expert to run them, charging by the bale for use of machinery. This is something new. Correspondence is invited from gin builders in regard to building these W. L. COVEL

Secretary and General Manager Ralston Ginning Co.

A New Flour Mill.

GOLDSBORO, N. C., June 29, 1885. Editor Manufacturers' Record :

Messrs. Dewy Bros. have the contract and are building grist and flour mills for me about six miles from town; cost about \$5,000; may add wood manufacturing of ome description later; plenty hard wood timber for spokes, hubs, &c.

R. E. JONES.

A Saw Mill.

SPRING CITY, TENN., June 28, 1885. Editor Manufacturers' Record:

I will put a saw mill in or near Grassy Cove in the course of 2 weeks; part of machinery is here now. C. I. TITUS.

MONTGOMERY, ALA., June 23, 1885. Editor Manufacturers' Record :

Messrs. G. W. Cook & Co., of this city, are erecting a coffee roaster to be run by steam, in connection with their grocery establishment. Moses Bros.

KNOXVILLE, TENN., June 17, 1885. Editor Manufacturers' Record:

Do not think our company will rebuild elevator for year or two, but will be compelled to build large warehouse.

KNOXVILLE CITY MILLS CO.

Location Wanted for a Factory.

TIFFIN, OHIO, June 23, 1885. Editor Manufacturers' Record

We are looking up a location somewhere in the South where there is plenty of sweet gum, maple and elm timber to manufacture oval wood butter dishes, but have no place yet positively decided upon.

A. L. FLACK, Genl. Agt. Oval Wood Dish Co.

A \$50,000 Coal Company.

TROUT CREEK,

St. CLAIR Co., ALA., June 24, 1884. Editor Manufacturers' Record :

The "St. Clair Coal Company," incorporated under an act of the legislature of Alabama, with a capital stock of \$50,000, is now operating the Ragland mines, having leased that property, consisting of 280 acres of coal lands. The coal is of a very superior quality, unsurpassed for making coke, and very valuable for domestic, steam and blacksmith purposes; low in sulphur and ash, and with great heating qualities.

W. P. LARAMORE, Assistant Manager St. Clair Coal Co.

Towaliga, Ga., June 19, 1885. Editor Manufacturers' Record

W. R. Weaver, Jackson, Ga., is repairing his 2-run mill with new bolting cloths; also speaks of putting in new millstones. Kinard & Son, Towaliga, Ga., will erect another store by the side of the one now occupied, to be 30x60 feet-first floor for dry goods; the second a skating rink.

Application will be made to the legislature of Georgia at the July session in 1885 for a charter for a bank to be located in the city of Jackson, butts county, Georgia, to be known as The Agricultural and Commercial Bank; the capital of said bank to be \$25,-000, and with the privilege of increasing the same from time to time to \$100,000.

KINARD & SON.

BARBOURSVILLE, W. VA., June 26, 1885. Editor Manufacturers' Record:

The Hopkins & Pleasants Lumber Co has been organized for the purpose of manufacturing staves, poplar, pine and hard wood lumber in Cabell county, of this State. Most of the stock is held in New York City. B. F. Butler and Gordon Macdonald, of the firm of Butler, Mac-lonald & Co., 76 Wall street, New York, are interested in the en-T. B. CRANDALL. terprise.

A Fruit Cannery.

TROUTSVILLE, VA., June 23, 1885. Editor Manufacturers' Record

I will put up a canning factory at this place, though not large, but may enlarge in JACOB G. LAYMAN. the future.

SUMTER, S. C., June 22, 1885. Editor Manufacturers' Record :

At a meeting of stockholders on June 15, it was decided to increase the capital stock of this mill \$20,000 and to add new machinery. A portion of this amount has been subscribed. D. JAMES WINN

Prest. Sumter Cotton Mills.

MARYVILLE, TENN., June 22, 1885. Editor Manufacturers' Recon

We have since our fire in January erected a wood building, and have placed in it 12 machines, nearly all new, for planing and for manufacturing sash, doors, blinds, and all work usually done in a carpenter's machine shop, all of which are now in successful operation, with plenty of work and good prospects for the future. We will build in the near future a brick shop 40x60 feet, two stories high, which, when connected with the above named, will form an ell 60 feet on one street and 116 feet on another street, one street and high.

B. F. WILLARD & SON.

A New Cotton Planter.

GREENSBORO, GA., June 25, 1885. Editor Manufacturers' Record

We are now corresponding with some men in Chattanooga, and if we can make satisfactory arrangements, we will go there shortly. Our cotton planter is something entirely new. J. M. HOWELL & SONS.

GARLAND, TENN., June 22, 1885. Editor Manufacturers' Record

The saw and planing mill firm at this place-Anthony, Williamson & Co.-dissolved partnership on the 18th inst. The business will be continued by J. H. Anthony. The mill is now running at its full capacity. I. H. ANTHONY.

Towaliga, Ga., June 24, 1885. Editor Manufacturers' Record .

Mr. W. W. Grubbs, Orchard Hill. Ga., has his saw mill now in operation near this place. Messrs. D. Wing & Bro., formerly of Rochester, N. Y.; now at Orchard Hill, Ga., have their four fruit-driers now in operation KINARD & SON.

JACKSONVILLE, FLA., June 22, 1885. Editor Manufacturers' Record:

We have had the matter of putting in an electric plant under advisement, but have not as yet determined to put the same in. We are, however, gathering all possible imformation in regard to the same, that we may be in the best position to act the proper time arrives. We wish you success in your good work, and are pleased with your journal. C. S. L'ENGLE,

Sec'y Citizens' Gas Light Co.

MACON, GA., June 25, 1885. Editor Manufacturers' Record :

My shop and all machinery was burned on the 18th ult.; loss about \$8,000. I am as yet undecided in regard to the dimensions of the building and at what time I will commence rebuilding-within 30 days I hope. The house burned was about 50x120 feet, and was not large enough for my business.

J. E. ELLIS,

A Purchaser Wanted.

SHUBUTA, MISS., June 16th, 1885. Editor Manufacturers' Record :

I am not able to rebuild; will sell machinery and site, with fine business custom established, on very favorable terms to any one wanting to engage in the business of milling and ginning. ELIJAH PARKER.

SANGERVILLE, VA., June 25, 1885. Editor Manufacturers' Record :

Preparations are now being made to manufacture hubs, spokes, handles and probably other goods in that line, but will not go into operations until autumn.

N. L. BLAKEMAN.

MONTGOMERY, ALA., June 29, 1885. Editor Manufacturers' Record:

I will start my candy factory about 15th of July, 1885, and have bought my entire outfit, as far as machinery is concerned, of Thos. Mills & Bro., Philadelphia.

THOS. H. CARR.

WHILE the wheat crop is, of course, very short, we are inclined to think that the yield will be larger than has generally been expected. From many places reports are coming that harvesting demonstrates that the crop is much better than had been supposed, and the yield will, in the aggregate, we think, be fully enough to meet all the demands of the home and the foreign markets.

Prevention of Scale in Steam Boilers.

The formation and prevention of scale in steam boilers has been, from time to time, discussed pretty freely in almost every mechanical and engineering journal. The number of specifics and nostrums, sold under all kinds of fancy names, for its prevention and removal, are legion. Complicated apparatus and constructions have also been proposed, and, to some extent, used for removing the scale by boiling and heating the feed water, under pressure, previous to use. Unfortunately, however, the trouble and expense of these arrangements, added to their first cost, came to nearly the same thing as simply replacing the worn-out steam boiler, which has become injured by scale; but to many steam users unacquainted with chemistry, they are about as instructive as if they were written in a foreign language Perhaps it may not, therefore, be out of place to explain, in as simple a manner as possible, the nature of boiler scale and the cause of its formation. What is termed boiler scale is a mineral deposit from the feed water, whenever hard water is used as a source of supply. All lake, river and spring water is more or less hard. The hardness is caused by the water coming in contact with certain mineral substances which the water dissolves, to a small extent, when running over or through

the ground. The substances are chiefly carbonates and sulphates of lime, some magnesia, and, at times, traces of iron. There are two kinds of hard water, which chemists call "temporary" and "permanent" hard water. The first kind, or temporary hardness, is caused by carbonate of lime and magnesia, which has been dissolved by the water, and it is called temporarily hard, because when the water is boiled, all the carbonate of lime is rendered insoluble, that is to say, it is no longer dissolved by the water, but is thrown out, and falls in a white, slimy deposit of carbonate of lime. The second kind of hard water, that termed permanently hard, is caused by the sulphate of lime dissolved by the water. Simple boiling does not make it insoluble or remove it. The water, therefore, that contains it is permanently hard, that is to say, it cannot be softened by simply boiling, but only by boiling under a high pressure, or by heating the water up to a high temperature, which means the same thing. All water contains more or less of these two substances, while in many localities, netably in the South, there may be large amounts

of organic matter, which, like the lime salts, precipitate and make scale fill the boiler with mud, necessitating frequent days for cleaning out the same. From the above simple description of the theory of the formation of boiler scale, it is evident that if the substances causing the hardness as well as scale were to be removed from the boiler, all trouble would be obviated, and a long life insured the boiler. The Hotchkiss Mechanical Boiler Cleaner, which we illustrate, is an automatic device for that purpose, and is in general use in the States, Canada and Great Britain. The circulation of water through the funnel constantly skims the surface water of all impurities thrown to the surface by ebullition, and conducts them to the reservoir, where they all settle,-the purified water continuously returning in the direction of the arrows, to the boiler. This operation never ceases so long as the boiler is under steam pressure, and a clean boiler is insured on opening day by having blown the mud from the reservoir daily. Mr. Jas. F. Hotch-kiss, of 86 John street, New York, the sole owner of this invention, will forward an 88page illustrated book on "How to Keep Boilers Clean," to anyone sending him their

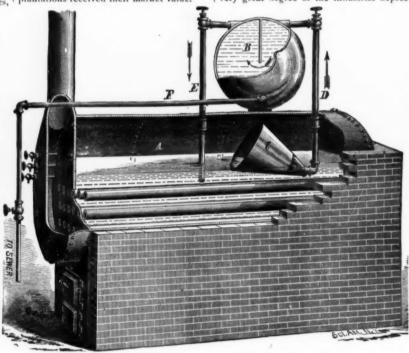
Alabama Progress.

A large land holder in Montgomery county, and a gentleman of excellent information and correct judgment, stopped over a day or two in Birmingham en route for the Northwestern States and Territories to make a summer tour of observation. A representative of the Age was glad to seize so favorable an opportunity of hearing the exact industrial outlook in the cotton belt discussed, and therefore claimed the traveller's companionship for an hour or more with that interesting theme between them.

The season of revival has begun all along the line of railroad from the Mississippi line to Eufaula. This is a magnificent belt of prairie lands, where agricultural resources are simply wonderful. But it is not in evidences of progressive agriculture that the present signs of advance are made manifest. The rule of industrial growth gives not to agriculture, but to manufactures and trade, the right of putting in motion the energies of the people. Agriculture develops by sympathy with the other two elementary branches of industry. It is true that the bulk of the wealth of the South consisted, up to twenty-five years ago in agricultural property, but the foundation of agriculture then was slavery, and from slavery Southern plantations received their market value.

Town lots vie with those of Birmingham in the prices they command by the square foot. The town is admirably well officered, and public spirit is proud and buoyant. Agricultural lands which were sold two years ago, within two or three miles of the city, at \$20, cannot be bought now for \$50. Plantations twenty miles off are held at fifty per cent. higher rates than were asked two years ago. Not a few land holders have absolutely established permanent arrangements for rearing live stock for the market, to the abandonment of cotton. This realization of progress is not confined to Montgomery county. Selma and Demopolis feel its advent and give visible demonstration of their sensibilities. The new brick buildings going up, the successful enterprises of many kinds, the belief that the Mobile & Western Railroad is to be built, and thereby bind the prosperity of the mineral region with the agricultural, are the best of evidences of the good courage and hope of the people. A plantation of 400 acres near Gallion, in Hale county, lately sold for \$25 per acre without the growing crop; another at \$17.50. Another of 1.000 acres. in the same neighborhood, is offered at \$30 per acre. Five years ago there was absolutely no market for land in that section.

The country needs to be reminded of its own history. We now see plainly that a very great degree of the industrial depres-



THE HOTCHKISS MECHANICAL BOILER CLEANER.

The facts are that the banks of all the towns in the cotton belt of Alabama are unprecedentedly prosperous; that every town of three hundred inhabitants is growing; that manufactures, from the ordinary blacksmith shop to the cotton seed oil mill, are doing well where established, and there is a marked disposition to increase among them. It is plain that the influence of the young men, who, having grown up to man's estate since the abolition of slavery, is being felt in the pulsations of business, and that influence brings confidence and high resolve to replace despondency. It is plain, too, that the negro, while ceasing to be an element of political discord, has come to be recognized and appreciated on his undoubted merits as a laborer. The free labor institutions of Birmingham, our furnaces, rolling mills, mines, etc., had long ago proven the efficiency and fidelity of the negro. The rising generation of Alabama farmers are fast learning to prove the same qualities in the class of negro farm hands they employ.

The labor now proving itself equal to the emergencies of all kinds of industries, the growth of the cotton region is assured. The town of Montgomery has doubled its population in fifteen years. There are no vacant houses of any kind. To build a house there is at once to secure a tenant or purchaser.

sion, which for twenty years hung over the cotton belt, arose from fictitious causes. We now see that the infusion of young Southern blood into our industrial system is destined to elevate it to even a greater and grander plane that it has ever before occupied.

The mineral the timber the agricultural

The mineral, the timber, the agricultural resources of Alabama, are all awake and moving. The future of the State is assured beyond cavil.—Birmingham, Ala., Age.

THE Spencer Arms Company, manufacturers of the Spencer Repeating Shot Gun, received a first-class medal over all competitors on their gun at the New Orleans Exposition. This gun is rapidly attracting the attention of sportsmen as one of the most excellent guns ever made. It is a shot gun made on the order of a repeating rifle; it can be shot six times without being removed from the shoulder, and almost as rapidly as the trigger can be pulled. The manufacturers will send descriptive circulars to any one desiring them.

THE Louisville Asphalt Varnish Co. find that their trade in the Eastern States is assuming such proportions as to require an office in New York City. They have secured, as resident manager, Mr. Frank A. Cleland, lately with the Dighton Color Works. Their office and depot of supplies will be at 174 Front street.

North Carolina's Progress.

The development of the industrial interests of the South, and the progress that is being made by that section, as constantly set forth in the MANUFACTURERS' RECORD, are abundantly confirmed by the whole Southern press. The News and Observer, of Raleigh, N. C., which is not given to exaggeration, paints the picture of that State's advance in glowing colors, and well it may, for as the MANUFACTURERS' RECORD has so often shown, North Carolina is keeping well up with the most enterprising Southern States. It is very gratifying, says the News and Observer, to observe the rapid advance North Carolina is making in every line of thought and endeavor. It is unmistakable, and to those who return to the State after an absence of any number of years, it is amazing. Many of the towns which were thought dead ten years ago and ready for the final fencing in, have stifled their old fogies, and taken places abreast of their most enterprising sisters in the march of progress. Everywhere signs of improvements are visible.

The methods of agriculture are becoming ore careful, thorough and economical; indus tries hitherto unknown by our people, but rendered necessary and profitable by the new order of things, are springing up at all points; larger manufacturing interests have found sound bases of operation and are extending their scope; trade is seeking new and broader channels; the professions are becoming more particular about the standard of admission into their ranks; the educational system is being greatly improved and made more comprehensive; and the surplus made by each individual worker over expenses is growing larger year by year. As a onsequence the whole people are more intelligent, active, refined and comfortable than they have ever been. We do not go into particulars, but these deductions are made from masses of facts which are constantly reaching us from all parts of the Railroad building which is stagnant State. elsewhere is active in North Carolina, Several important lines are being pushed with vigor. In the East the trucking business is extending rapidly and is highly profitable. The day will come when a large proportion of the region East of the Wilmington and Weldon Railroad will be a vast vegetable garden for the great centers of population within easy reach to the northward.

The fisheries are being enlarged and extended, and various manufacturing enterprises-rice-mills, pine fibre factories, woodenware factories, fertilizer factories, canneries, etc., have been established, and are doing well. In the center the advance is even more marked. The great manufacturing region of the State has managed not only to maintain its position of reasonable prosperity in the face of the depression which has so seriously affected manufacturing interests generally, but to advance, and it presents to-day as sound a condition as any other manufacturing community in the country. The improvement in agriculture is also greater in this section, and the people consequently make larger and better crops and live more comfortably than ever heretofore. Smaller industries and handicrafts are springing up and multiplying in spite of our lack of manual training schools, and the magic bright tobacco is rapidly making the region one of opulence as well as plenty. The West is at length within the threshold of its development, and its treasures are being outturned in such richness and abundance as to astonish the world. From Hat teras to the Smokies there has been a distinct uplifting of the body of the people, in material welfare, in intelligence, and in refinement. To whatsoever the fact may be due there is no doubt about its existence. The State is now amply prepared to grapple with any problem which may be presented to it, and as a prosperous, progressive, homogeneous, God-fearing people, should be accorded the leading place among Southern commonwealths to which it is entitled,

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enti than REC nish

60-inch Chucking Lathe.

The accompanying cut shows a 60-inch chucking lathe, made by Mesers. Lodge, Barker & Co., Cincinnati. This machine with gap open swings 60 inches, and with gap closed 36 inches. The gap opens to leave space of 4 feet. The slide-rest is compound to bore or turn straight and taper, will face up the entire 60 inches. can be made with turret-head instead of tail-stock, at a small additional cost. It can also be made with power-feed, either for turret-head or for outside turning at an additional cost of \$50.00. The largest diameter of cone is 18 inches, and is geared 10 to 1. The front bearing is 41/4 inches by 6 inches long. The tail spindle is 23/4 inches inches long. in diameter.

List of Patents.

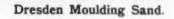
The following Patents were granted to citizens of the Southern States, bearing date June 23, 1885. Reported expressly for this paper by Louis Bagger & Co., Mechanical Experts and Solicitors of Patents, Washington, D. C.

A \$100,000 Brick Yard in Alexandria, Virginia.

ALEXANDRIA, VA., June 26, 1885. Editor Manufacturers' Record:

A few weeks ago it was stated in the MANUFACTURERS' RECORD that a very extensive brick yard was being established in Alexandria, and as these works are now nearly completed, a few particulars regarding this important enterprise may prove of interest.

The name of the company is the "Capital Pressed Brick Company," incorporated as a stock company, with an authorized capital of \$100,000. G. P. Cannon," president of the company, and R. H. Goldsborough, secretary, are both natives of Maryland. The works, when fully completed, will cost nearly \$50,000, and are intended to equal, if not surpass, any in the country (in equipment if not in capacity.) All the latest improved machinery is used throughout the entire plant. The works at present consist of three large sheds and the building for the machinery, with two kilns completed and two more in process of erection; the buildings, altogether, covering more than 40,000 square feet of ground. A large wharf has been built that will afford ample accommodation for the handling of their stock. They are now running four brick presses, and have



None know better than stove founders how indispensable is a moulding sand of just the right quality to insure fine smooth casting. To secure the best results the sand must be of fine texture, and must take and retain in a perfect manner the most delicate lines or configurations of the pattern. The molder must be able to produce a perfect fac simile of his pattern, not a grain of sand being taken when the pattern is lifted. The sand must take vent readily, and castings made in it should not "wash," "cut," "flow" or "scab."

A sand has been recently discovered near Louisville, Ky., by A. J. Sennett, superintendent of the molding department of Bridgeford & Co., of that city, which possesses qualities of extraordinary value for producing the finest castings. * * * A peculiarity of this sand is that with its use very little if any facings are required. We have before us a very beautiful plaque, the bird design used on Bridgeford & Co.'s Arcadia heating stove, which was molded in this sand without the use of a particle of facing.

It is claimed for the Diamond sand that the finest carving or tracing can be reproduced with exactness in the minutest detail by its use.

This sand is recommended for art and ornamental castings, machinery and bench

THE Magazine of Art for July has for its piece de resistance a well considered paper on Handel, with six admirable portraits of the famous composer apropos of the forthcoming second centennial of his birth. The Thorn hill portrait showing Handel at the spinnet forms the frontispiece. The poem and picture which follow are, the former by Alice Meynell, the latter by W. J. Hennessy. "The Buried Mother" is the subject of the poem. Then follows one of F. Mabel Robinson's papers on the Romance of Art. J. A. Blaikie describes that picturesque English river. The Dart, while Miss Helen Zimmeon describes that painter of picturesque children, Ludwig Knaus. We have a curious study of mediæval "Headgear," than which nothing could be more hideous. An interesting illustrated paper describes Cinque-cento Picture Windows, while the very next paper is on current art, the recent pictures at the London exibi-tions, which are well illustrated. The full-page illustrations are "The Burial of Atala," "A Concert in Old Egypt," from the original of A. Calbet. All the departments of the magazine are full and complete. Cassell & Company, Limited, \$350 a year.

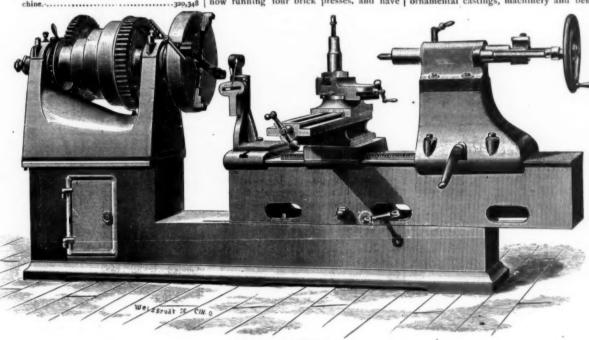
THE Cummer Engine Co., of Cleveland. Ohio, have recently received orders for 170, 70, 100 and 130 horse-power outfits complete, for the Harney Peak Mining Co., of New York; Volney Q. Irwin, of Crawfords. ville, Ind.; Temple Pump Co., Chicago; and the Forest City Carbon Co., of Cleveland, Ohio, respectively. In each instance the competition was close, and the Cummer people consider the selection of their engine in these cases a very substantial endorsement of its superior merits, as about every style of automatic engine of any prominence was competing. They have also just shipped a 170 horse-power engine to the Lowell Manufacturing Co., of Lowell, Mass., and have a 105 horse-power engine about ready to ship to W. Kautsky, of Indianapolis. Their sales for the Jonathan Mills Reel are still rapidly on the increase, and now run up all the way to 10 per day. Their orders, we learn, are coming in from all directions, and are promptly filled. They started up a number of their Ballantine Refrigerating Machines this season in breweries in different sections of the country, and in every instance the machines are said to be giving the best of satisfaction.

In the Manufacturers' Record, Baltimore, June 2d, appeared a letter from C. E. Earnest, of this place, stating that he had tested a bed of clay near here, that the brick were good and there was a good demand for them, and that he was trying to form a company to manufacture them, etc. Mr. Earnest's letter called out a response from Fred Balcom, treasurer and general manager of the National Investment & Development Company, of New York and Washington. Mr. Balcom says:

"Please send me particulars regarding the proposed organization of a company to manufacture brick. What do you want for the clay beds? Will you take stock? What size brick machine do you want? Whose make? Can any money be secured there; if so, how much? I can place some stock of such a company here. When I hear from you I will tell you what I can do. My idea in taking hold is to add an ice machine later."

Here is an opportunity to secure to our growing young city two very important industries. There is no denying the fact that we have one of the very best beds of clay in the State. Even with his primitive facilities Mr. Earnest has produced some No. 1 brick, and there is no question but that in the hands of a company with sufficient capital, and with improved facilities for manufacture, it would prove renumerative to the stockholders and of vast importance to this growing section. We hope Mr. Earnest will push the enterprise to a successful issue.—

Kissimmee (Fla.) Leader.



60-INCH CHUCKING LATHE.

boiler. 320,809
Murray, G. W., Mt. Crawford, Va. Trestle.320,674
Painter, Wm., Baltimore, Md. Electric railway. 320,679

Saltsman, D. J., Brewton, Ala. Log turner...330,591 Steers, S. B., New Orleans, La. Bale-heading and lifting attachment for presses.......320,719 Walker, W. H., Charleston, S. C. Spring-

ADVERTISERS wishing to reach manufacturers of all classes, mining companies, steel, iron and hardware dealers of the entire South, cannot find a better medium than the BALTIMORE MANUFACTURERS' RECORD. We are always prepared to furnish proof of our claims as to circulation.

two very large ones ordered, which will give them a capacity of 80,000 bricks per day, and as they can run equally as well at night when pushed, their capacity can easily be doubled. About 60 men and boys are employed at present. They make the finest grades of face and ornamental bricks, as well as the ordinary kind. Being immediately around "Lighthouse Point," on the Potomac, they not only have Washington as a market, but expect to supply any points on the river and the lower points on the bay, including Norfolk, Portsmouth and Hampton. The great natural advantages of their works must be seen to be appreciated. They have abundance of the finest clay, enough to last a lifetime, which, being about forty feet above their heads, or rather above the machines, is so handled by shutes and machines, is so handled by shutes and scrapers, that no carts or wagons will be needed for saving it. This alone is a big item saved in the cost of production. Another one is in the facility they have of getting cheap coal delivered directly from the canal barges, thus saving from 75 cents to a dollar drayage on every ton. Since they started, about three weeks ago, they have had thousands of visitors, and their praise and surprise can be summed up in the expression of one: "Well, this is a 19th century brick yard."

the Baltimore Manufacturers' Record, send us \$3 and you will receive it regularly for one year, or six months for \$1.50.

work, as well as for stove plates. Bridgeford & Co. express the opinion that the discovery of Dresden sand will do for Louisville what the sand of Albany has done for that city, viz.: make it one of the greatest stove markets in the country.—American Artisan.

Messrs. Geo. H. Hull & Co., Louisville, Ky., are sole agents for the United States.

THE Roller Chain Belting Co., Columbus, Ohio, have issued an illustrated descriptive catalogue of the Legg Anti-Friction Roller Chain Belting. This belting is especially designed for elevators, conveyers, drags, drive belts. The catalogue will be found of interest, as it shows by illustrations the many ways in which this belting can be used to great advantage.

THE Cincinnati Corrugating Co. have issued a circular, in which they say: "We have the pleasure to announce that this company, having entered its exhibit for competition, is awarded the 'Gold Medal of the First Class' for 'Corrugated Iron for Building Purposes' by the World's Industrial and Cotton Centennial Exposition, at New Orleans."

MELVIN STEPHENS, 41 Dey street, New York, manufacturer of Stephens' Patent Vises, was awarded a first-class medal at the New Orleans Exposition.

GHE WARKENS.

OFFICE MANUFACTURERS' RECORD, BALTIMORE, June 30, 1885.

The last week of a half year is usually a dull one in business circles, and the week just ended has been no exception to the rule. There has been a general disposition to wait until after the 1st of July, and hence the volume of trade has been only moderate. While business is still dull, there are encouraging signs of an improvement in the early fall, and especially in the South, where more activity is already apparent. The prospect for abundant crops, excepting wheat, was probably never better than at present, and the universal testimony is that they will be produced at a much lower cost than in former years. These facts have already imparted greater confidence to Southern merchants, and unless some unforeseen disaster should befall the crops before they are gathered, we may naturally expect a fine trade this fall.

Manufactured iron shows no change of importance, the improvement reported last week continuing, with prices as previously quoted. We quote nominally as follows: Ref. Bar Iron, 1 to 6x36 to 1 \$ 10. 13/60 1.8c

" " 1 to 41/2 x1/6 to 1 "	1346	1.80
" " 16 to 2, round and		
square	13/4	x.80
Hoop Iron, 11/2 wide and upward "	21/100	2340
Band Iron, from 11/2 to 6 in, wide "	21400	2360
Horseshoe Iron "	2340	3 0
Norway Nail Rods "	5 00	5%
Black Diamond Cast Steel	0 0	10 (
Machinery Steel "	31/2 (0)	4360
Spring Steel	33400	4 6
Common Horse Nails "	8 @	9 6
Railroad Spikes, 51/2x9-16 "	2 (0)	2360
Perkins Horse Nails R ker	Z. 8	3.72%
Mule Nails "		4.7236
	-	

The pig iron market is about the same, the demand continuing only moderate at former prices. We quote as follows:

Baltimore	Cha	rcoal	Whe	el Iron	(all		
Baltimore	ore)			\$28	00@29	00
Virginia C.							
Anthracite,	No.	1	******		19	00@20	00
**	80	2			17	810000	00
44	**	3			15	00@16	00
**	Mo	ttled	and W	hite	13	00@14	00

HARDWARE.

Buyers have been holding off waiting to see if the 1st of July would bring any changes in prices, and in consequence the amount of trade done has been rather light.

Nails are inactive with prices about \$2.00 to \$2.15, according to quality, as previously quoted.

UNDER date of July I the tack manufacturers have issued a new discount sheet, which is as follows:

To apply to the "Hardware List of Prices" dated Sept. 1, 1882, and "Supplement" dated Jan. 1, 1885, DISCOUNTS.

MISCOUNIS.
American Iron Carpet Tacks, all kinds65 %
Steel Carpet Tacks, all kinds 60 %
Swedes Iron Carpet Tacks, all kinds 60 \$
Swedes Iron Tacks60 \$
Swedes Iron Upholsterers' Tacks
Tinned Swedes Iron Tacks60 %
Tinned Swedes Iron Upholsterers' Tacks60 \$
American Iron Cut Tacks60 %
Gimp and Lace Tacks60 %
Tinned Gimp and Lace Tacks60 %
Copper Tacks 55 %
Copper Finishing and Trunk Nails 55 %
Cigar Box Nails50 %
Finishing Nails50 %
Zinc Glaziers' Points50 %
Common and Patent Brads50 %
Hungarian Nails and Miners' Tacks45 %
Trunk and Clout Nails40 %
Tinned Trunk and Clout Nails 40 \$
Basket Nails 40 %
Chair Nails 40 %
Tinned Capped Trunk Nails30 %
Looking-glass Tacks30 %
Picture Frame Points
Leathered Carpet Tacks30 %
Brush Tacks30 %
For tinned and coppered goods on Hardware List
for which prices are not given, add 6 cents per pour d.
The above discounts are subject to change without
notice.
All orders for goods are subject to the prices and
terms ruling at date of shipment

THE price-list of lining and saddle nails, adopted June 19, 1885. To take effect July

I. 1885:

	Critical States							***		212	S.
Silver	or Japanned,	23/2	10	13	oz.	75	to p	aper		 	6
66	"	14	to	24		.63		5.0		 	7
66	66	236	to	13		100		44		 	78
84	68	14		24		46					9
Brass	Lining Nails,	4	to	16		68		88			12
Extra	Japanned Lin	ing	Na	ils,	in	gros	s box	Kes,			13
Extra	Plated Metal	Lini	ng	N	ails	in g	ross	boxe	18.		30

No. 1 Flat or Oval, Silver or Japanned, 3 to 12 oz. No. 1, Flat or Oval, Silver or Japanned, 14 to 24 oz. No. 1, Flat or Oval, Silver or Japanned, 3 to 16 or. No. 2, Flat or Oval, Silver or Japanned, 8 to 24 oz

Extra Plated Metal Band Nails, in gross boxes...30
Extra Japanned Band Nails, in gross boxes....35
COFFIN LINING NAILS. 3 P. W.
Flat or Oval, Silver or Japanned, 2½ and 4 oz. 100 flat or Oval, Silver or Japanned, 2½ and 4 oz. 75

Flat or Oval, Silver or Japanned, 2½ and 4 oz. 75 to paper.

Flat Extra Plated Metal, { in boxes, 100 to paper...20 in papers, 100 to paper...20 in papers, 100 to paper...19 in boxes, 100 to paper...19

TUFTING NAILS.

No. 3, Silver or Japanned, 8 to 24 oz. 100 to paper...15
No. 4, Silver or Japanned, 8 to 24 oz. 100 to paper...16
No. 5, Silver or Japanned, 20 oz. to 1½ in. 100 to paper...

No. 6, Silver or Japanned, 20 oz. to 1½ in. 100 to paper...

No. 6, Silver or Japanned, 20 oz. to 1½ in. 100 to paper...

No. 6, Silver or Japanned, 20 oz. to 1½ in. 100 to paper...

18

colors on Turing Nails to mater sample, extra on one prices.

List discounts on above, viz: Japanned, 30 %; Siler, Brass, etc., 40 %.

THE list of prices of shoe nails, &c., as adopted by the tack manufacturers, July 1,

Iron Shoe Nails, 4-8 in. and longer 41/4
Iron Shoe Nails, 31/2-8 in, and shorter 6
N. B. Shoe Nails 6
Swedes and Charcoal Iron Shoe Nails 7
Zinc Shoe Nails 8
Zinc Shank Nails16
Diamond Head Zinc Nails, 2-8&21/2-8 in., 26;
3-8 in., 22; 31/2-8 in. and longer
Copper Shoe Nails24
Brass Shoe Nails
Copper Gimp Nails or Tacks44
American Iron Hungarian Nails, 2-8&21/2-8 in,
14; 3-8&31/2-8 in, 12; 4-8 in, and longer11
Swedes Iron Hungarian Nails, 2-8&21/2-8 in., 15;
3-8&31/2-8 in., 13: 4-8 in. and longer12
Swedes Iron Hungarian Nails, (fancy head,) 2-8
&21/2-8 in., 18; 3-8&31/2-8 in., 16; 4-8 in, and
longer15
Oval Head Shank Nails or Tacks, 2-8&21/2-8 in.,
31; 3-8&31/2-8 in., 23; 4-8 in. and longer 18
cts. W lb, in lb,
or 1/4-th, papers
Hob Nails, Swedes Iron, all sizes 10
Nob Nails, American Iron, all sizes 8
Steel Shoe Nails, all sizes 14
Steel Shoe Nails, 4-8 in, and shorter, 22: 5-8 in.

Shoe 1½ 0z., 22; 1½ 0z., 10; 2 0..., 12 0z. 14; 1 0z., 13; 4 0z., 13; 4 0z., 3; 1 0z., 3; 1½ Shoe Tacks, 1-2 0z., 3; 3-4 0z., 3; 1½ 0z., 3; 3 0z., 0z., 3; 1½ 0z., 3; 1½ 0z., 3; 4 0z., 3; 1½ 0z., 3; 10; 12; 4-8 ln.

86.27/2 ···· 33, 3 ···· 39 cts. 神 lb. d longer, ... 39 cts. 神 lb. 1 Gimp Nails, 2½-8 in, 46; 3-8 in, 32; 3½-8 in, 2; 4-8 in, 2; 4½-8 in, 2; 5-8 in, 20; 2-8 in, 20; 1-8 in, 2

Philadelphia Iron Market.

PHILADELPHIA, PA., June 29, 1885.

The iron market in Eastern Pennsylvania is quiet, as is usual during the last week of the half year. Quite a number of furnaces are ready to blow in, but there will be no increase of production until actual demand warrants. The situation is no worse than a month ago. The production keeps up to the consumption There is some little effort made by Southern makers to sell stock for future delivery, but no negotiations have closed. The Anthracite interests are anxious for a lower cost of production, but have been unable to effect satisfactory negotiations. Prices are \$18 and \$17 for standards. Some special brands continue well sold up. Inferior iron is being freely offered. The mills are not buying much forge, but are paying \$15 for what they need. There are no sales of foreign Bessemer iron, but an active movement in domestic. The consumption of iron is at a very low point in both crude and finished. There is no reason for buying

ting \$27.50 for a good article. The mill owners expect to enter upon their repairing Saturday, but there is less to do at this time than last year. Medium irons are selling at \$1.60, refined \$1.70, common \$1.40 to \$1.50. Ten to twenty-five ton lots are the usual orders. The sheet iron makers report usual business at 3.20 to 3.50. Very little plate iron has been ordered, but there is considerable inquiry for structural iron and prospects for large transactions. Only small lots of steel rails continue to be booked. There are inquiries for large lots here on the market, but the Western Pennsylvania mills seem to catch them, because of their advantage in freight rates. A few inquiries are on the market for old rails, but no sales of moment have taken place. There is a moderate movement in metals, and prices are a little firmer, owing to the character of cablegrams. The Anthracite coal trade is quite dull, and there is a prospect of further cutting. This month's output is 2,800,000

Cincinnati Iron Market Report.

Specially reported by Rogers, Brown & Co., Pig CINCINNATI, June 29, 1885.

With the exception of one or two round sales, the market for the week has been stagnant. There have been few enquiries for more than car-load lots. Consumption is running light, but for the past thirty days there have been four tons of pig iron used for every one bought. This proportion, it is believed, will hold all through the central West. Obviously there must be an evening up, a little later, and more iron taken, whether general business improves or not. It is this hope that keeps some furnace fires going that otherwise would be out. There is a good deal of pressure to sell certain grades, but makers, having already struck the cost line, are slow to make any further concessions in price. There is hardly enough business going to clearly define the market, but the following figures for cash, f. o. b. cars at Cincinnati, cover nearly as possible actual sales:

HOT-BLAST FOUNDRY Ohio and Southern Strong Coke No. 1.. \$16 00@17 00

"" No. 2.. 15 00@16 00

"" No. 3.. 14 00@15 00

Ohio Soft Stonecoal, No. 1.. 16 50@17 00

"" No. 2.. 16 00@7 00

Mahoning and Shenango Valley Coke,

No. 1.. 16 50@17 50

CHARC	DAL IRON.
Hanging Rock,	No. 1\$19 00@20 0
17 44	No. 2 17 00@19 0
Tennessee and Alabama,	No. 1 17 50@18 5
# #	No. 2 16 50@17 5
	PORGE.
Strong Neutral Coke	\$13 50@
Mottled " "	12 75@
Cold Short	13 00@
CAR WHEEL	AND MALLEABLE.
	22 00@24 0
Hanging Rock C. B	25 00@27 00
" " W. B	20 00@23 O
Lake Superior Malleable	22 00@24 0

Specially reported by E. L. HARPER & Co.

CINCINNATI, June 29, 1885.

The conference committees of the rolling mill proprietors and the Amalgamated Association have not completed their work fully, but the mills in Pittsburgh district that have resumed, have entered the market and taken up some pig iron, and imparted a little life to the trade. Other mills will follow and add proportionately to the increased business. The manufacturers of sheet iron reasonably demand a reduced wage scale, which will no doubt be agreed upon. The foundries are experiencing a somewhat improved business. A better feeling generally pervades the trade, and while prices are ruling low, the market is stronger than at our last writing,-choice coke foundry No. I being in good request and supply limited. We quote as prices current cash f. o. b. cars or wharf here:

1	P.C	UND	RY.		Car	sn.
Hanging Rock	k Charcoal,	No.	1	\$ tro	00@30	00
** **	**		2	 18	00@19	00
Strong Neutra	l Coke,	48			00@16	
61 44	411	44	2	 15	00@15	50
American Sco	tch,	44	1	 16	00@16	50
	GREV	FOR	IGE.			
Managaral Cake						-

LODGE, BARKER & CO.

Cincinnati, Ohio.

Square Arbor Fox and Improved Turret Lather. Valve Milling Machines, Box Chucks, Turret Chucking and Engine Lathes. Write for Cuts, Photographs and descriptions.

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Cherry, Walnut, Oak. Ash Mahogany.
Send for Illustrated Catalog

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BOOMER & BOSCHERT PRESS CO. SYRACUSE, N. Y.



MACHINISTS

and others should examine the merits of our new improved 14240 inch Screw Cutting Lathe. Price \$175.

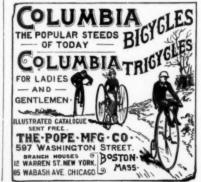
Descriptive price-list of lathes and tools mailed on application.

169 W. Second St., Cincinnati, O.

J. S. JOHNSON & CO.



Importers of Knox's Gilling Thread and all kinds Fishing Tackle, and dealers in Cordage. 61 South Street. Baltimore, Md.



ging Rock, strictly cold blast.... 25 00@25 50 ging Rock, strictly warm blast.... 21 00@21 50 serst and Virginia War. Blast.... 19 00@20 00 inberry," N. Carolina V 1rm Blast. 22 25@20 50 Superior Charcoal, all grades... 21 00@22 00

Louisville Iron Market.

ially reported by GEO, H. HULL & Co., Com-

LOUISVILLE, Kv., June 29, 1885.

The market for pig iron has shown some improvement in volume of sales during the past week. Some few orders for round lots running over 4 to 6 months have been booked at current quotations. Prices for regular grades remain firm. We quote for cash in round lots as below:

Southern Coke, No. 1 Foundry			
	15	50@16	00
		00@16	
	21	00@21	90
		00@19	
	14	00@15	50
		75@14	
	13	25(0)13	50
		25@13	
Southern Charcoal, No. r Mill	16	00@17	50
	12	00@13	00
Southern Car Wheel, standard brands	25	00(026	00
	20	00@22	00
	24	00@25	00
" " Warm "	30	00@21	00

Specially reported by W. B, BRLKNAP & Co., Nails, Wire, Iron, Hardware, Carriage and Wagon Goods. LOUISVILLE, KY., June 92, 1885.

There has been little to do in the last week but to sit in Matalini-like expectation and watch the black wings of Mr. Fowler's flyfan describing circles in the year.

It is vacation time and the charms of the ummer resort, and particular advantages of the various trunk lines to get one there, consumes more time than discount sheets.

The nail situation is interesting. One might look for the strike to last and prices go higher but for the lack of back bone in everything.

At present the serried and unbroken ranks of the Western manufacturers require the pen of a special war correspondent to do them justice. But 2.25 looks like rich food to those who have been on starvation rations for six months, and may, in the words of the old private, "knock discipline into pie."

Bar and sheet continue at unremunerative prices and wire is slow. There is a fair run of country orders with dozens split into infinitesimal fractions. But if the cut worm is duly abstemious in his diet, the crops will help

The fruit yield is large, and apple pearers and coffin trimmings are in fair demand.

Chattanooga Iron Market.

Specially reported by S. B. Lows,

CHATTANOOGA, TENN., June 29, 1885.

The weather continues very favorable for growing crops, and the outlook is now for one of the largest crops the South has ever produced. Business matters as a general thing are looking brighter. Some quite large sales of pig iron have been made, and heavy shipments are going North and East. Southern foundries are taking their usual quota of pig, and they report business fair, especially ose who are running on specialties. We make no change in quotations:

No. 1 Foundry	14 50	@15 50
No. 2 Foundry	13 50	@14 50
American Scotch	13 50	@14 00
Gray Forge	13 50	@13 00
Car-Wheel Iron	22 00	@24 00
Ores, Red and Brown	1 50	@ 2 25
Furnace Coke	2 00	6 2 50
Nails, car-load lots, 30 days		@ 2 25
Bar Iron, per lb		@ I 75
Old Rails		@16 00
Old Wheels	-	@13 50
Wrought Scrap, No. 1		@
" No. 2		@
Cotton Tie Clippings	-	@
Cast Scrap		@
Rail-Road Splices		1 75
Light Rails	2 00	(4)-
Barbed wire-four point galvanized		@
Barb wire-Cambria link	05	@ 05%

St. Louis Iron Market.

Specially reported by W. H. SHIELDS, Pig Iron and Iron Ore, No. 318 Olive Street. St. Louis, June 29, 1885.

There is a better feeling in general, and Bessemer irons are just a little stiff, owing to

the anticipated starting up of the Vulcan Steel Works. We quote:

HOT-BLAST CHARCOAL.			
Missouri	\$14	506017	CK
Southern	17	00@18	56
Ohio	_	-0-	_
COKE AND COAL.		-	
Missouri	14	50(0)17	CK
Southern			
American Scotch			
MILL DONG.	- "		
Missouri	34	00(8) 14	S
Southern			
CAR-WHERL AND MALLBABLE I	ROS	£.	
Southern	99	00(0)25	00
Lake Superior	21	00@24	00
MISCELLANEOUS.			
Old Rails	17	00@17	21
Old Wheels			
Wrought Scrap			_
Cast Scrap		-@	_
Iron, par.		-	*

SALE

GREENVILLE, S. C.

In obedience to an order made by the Hon, B. C. Pressly, one of the Circuit Judges of the State of South Carolina, dated April 8, 1885, I will sell at public auction, before the Court House door, in the city of Greenville, S. C., on Monday, the 3d day of August next, (1885,) during the legal hours of sale, all the property of every kind belonging to the Camperdown Mills.

The property of said corporation consists of the machinery, tools, implements and appliances of every kind contained in the Cotton Mills and appurtenances thereto, known as Mills Nos. I and 2, located in the city of Greenville, on both sides of Reedy River, both driven by water-power taken from the stream supplemented by steam-power, when the latter is required. Also the leases, rights, powers, privileges and franchises belonging or appertaining to said corporation. These Mills contain nearly 11,000 Spindles, with all necessary preparatory machinery, and are designed and equipped for making Cotton Yarns, either single or double and twisted, brown or dyed.

The machinery is but little worn and is in good condition.

A schedule of tle machinery will be furnished upon application.

The real estate upon which these Mills

A schedule of the machinery will be furnished upon application.

The real estate upon which these Mills are situated, embracing 36 acres of land with water-power used by the Mills, the buildings in which the machinery is operated, and the tenements occupied by the operatives, belong to another party, and the Camperdown Mills occupy them under a lease, running until the 1st day of March, 1906, the rental of which as stipulated in the lease, is payable semi-annually.

The lease is recorded in the office of the Register of Mesne Conveyance for the county of Greenville.

Terms of Sale:

Terms of Sale:

\$20,000 in cash on day of sale, the remainder of the purchase money to be paid in three equal installments at six, twelve and eighteen months, the credit portion of the purchase money to bear interest from day of sale, at 7 per cent. per annum, and to be secured by the bond of the purchaser and a mortgage of the property, the property to be insured for the full amount of the unpaid purchase money, and policies to be assigned. purchase money, and policies to be assigned to the Receiver. The purchaser will have leave to anticipate payment of the credit portion or any part thereof.

HAMLIN BEATTIE.

Greenville, S. C., June 17, 1885.

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Half Patent, so	did colla	T			di	is 60 €
Common					····ra	te 4
Concord					0.0.0	856
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		CLIPS				
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Duck "	50 in					20
Tan Back, "	54					38
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Cincinnati, %,	M dox					6 00
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RUBBER		ND DI		15 % on	list.	- 1
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Buggy, 11/2 in.	and large	er				8
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Fancy Morocco	. William					36
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Collar, "						24
Harness, & b	*******					40
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Per doz. pair					\$2 250	@7 50
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XX.				3 75	4 25	
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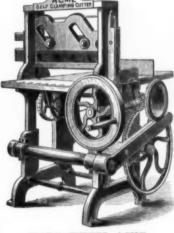
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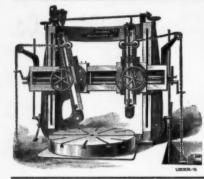


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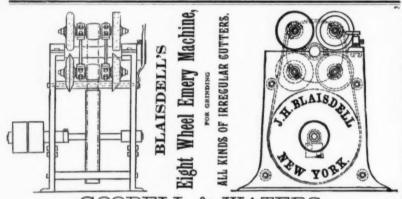
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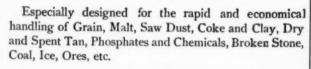
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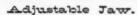


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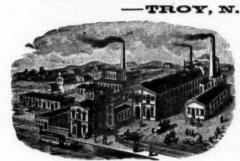
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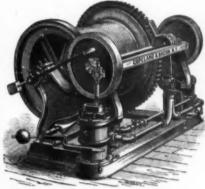
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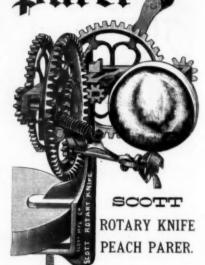
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BRIGHT WIRE GOODS. New listdis 70&10&10 ≸	Bri
Union Nut Co	Ba Ca Iro
Wrought Brass	Ku.
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Loose Joint, Japanned	La Ru
Loss Pin no Acorn die folkvolkvolk	Sw Lu Sil
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Fast Joint, Lt. Narrowdis 608.10 \$	Na Ex Wi
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Blind Butts, Lull & Porter	No Sta
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No. 5, Iron Handle	Br Br W
Universal	Do Me
U. M. C., Cen. fire ground	Vi Re
CAN OPENERS. American	Flo B.
CARTRIDGES. Rim	Sa Ti Es
Rim	De Br
Rim-fire, 22 short. \$ 5 long. \$6.00 " 32 " 10 " 15.50 " 38 " 18 " 18.00 " 41 " 15 " 17.50 Central Fire—32, \$12.00; 38, \$13.50; 41, 15.00; 44, \$19.	Fe Fe
Central Fire—32, \$12.00; 38, \$33.50; 41, 15.00; 44, \$19. CARDS. Horse and Curry, new list, July, 1881dis 10 \$	Sta Fra We
Wool, new list, July, 1581	Me Co
CARDS.	J. E. W.
Plate and Shallow Socket dis 50&10 \$ Deep Socket dis 25&10 \$ Martin's Patent (Phoenix) dis 25 \$	Mo H.
CATTLE LEADERS. Humason, Beckley & Co's	Ne Va
CHAIN. German Halter and coil Chaindis 50&10 \$ Trace, Breast and Fancydis 45&5 \$ Oneida Halter Chain (old list)	Kr
Trace, Breast and Fancy dis 45& \$ Oneida Halter Chain (old list) dis 45& \$ Galvanized Pump Chain \$B\$ 86 cnet Jack Chain, Iron dis 60& 10 \$ Jack Chain, Brass dis 50& 10 \$	Ea Ea Cr
	Cre Cre An Do
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CHISBLS. Socket Framing, Crossman	She No
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Iron, Screw, Eagledis 50 % Iron, Adjustable, Stearns'dis 20 & 10 % Iron, Cabinet, Sargent'sdis 65 & 10 % Iron, Carriage maker's, Carr & Crawleydis 25 %	Na "E "D Do
Norway or Best	Doi Doi "R
Racking, new list, July 10, 1880	Far
Parker's dis 45 %	Sar
Wilson's	Ele
Compasses dis 55 % Calipers dis 55 % Dividers dis 55 %	May

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BRIGHT WIRE GOODS.	COOPERS TOOLS.	Magn'c Tack, Nos. 1,2,3, 1.86,1.50 and 1.73. disagitass Warner & Noble's
New list	Bradley'sdis 19@20 \$ Barton'sdis 20 \$	Kip's or Selsor'sdls 30 %
Sargent'sdis 60&10 \$\frac{1}{2}\$ Humason, Beckley & Co'sdis 60&20 \$\frac{1}{2}\$	Cast Steel	HANDLES.—Door or Thumb Lauches. Nos 0 1 9 3 4
ATTTE	CURLING IRONS, ac. 14, 14, 14 in., \$1.80, 2.00, 2.30	Per dos. 50.80 1.00 1.18 1.35 1.50
Wrought Brass	Pinching Irons	Jap'd Store Door Handles—Nuts, \$1.25; Plate, \$2.00;
	Fitch's new list dis so \$	no Plate, \$1.10
Loose Joint	Hotchkiss, Excelsior Superior Championdis 25 % Lawrence, "Perfect" dis 25 % Rubber	Surface Chestdis 55&10 g
Parliament Butts	Sweet & Clarke	Liftingdis 50&10 % Saw and Plane
Loose Pin, Acorps. Japanneddis 60&10&10 %	Silvered Glass	Hammer and Hatchet
Loose Pin, Acorns, Jap'd, Plated Tips	White Enamelnet CUTLERY. Association (Table)net	Auger asserted Warress #4 oc
Fast Joint, Narrowdis 60&10 \$ Fast Joint, Lt. Narrowdis 60&10 \$	Naugatuck Cutlery Colist net Excelsior Knife Conet Wilson's Butcher and Shoe Knivesdis 30 \$	Auger, large, \$\pi\$ gross \$ 3.00 Patent Auger, louglass' \$\pi\$ est \$1.00 net Patent Auger, Swan's \$\pi\$ set 1.00 net
Fast Joint, Broad	Wilson's Butcher and Shoe Knives dis 30 % Ames' Shoe Knives dis 15 % Wm. Rogers Mfg. Co., Plated Cutlery. Net	Patent Auger, Swan's
Inside Blind, Regulardis 60&10 \$ Inside Blind, Light	Embossed Giltdis so %	White Mountain, per doz\$36.00 "Finished in red, per doz\$42.00 HANGERS.
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American Spring Hinge Co's dis as &	No. 1, Large Japanned	Underhill's
Gem Spring Hinges	No. 3, Small Japanned	Haines' Solid Steel
		Claw, Nos. 1 s 3 d dox 7.75 8.50 9.85 Lathing, Nos. 1 s 3 dox 7.50 8.00 8.50 Hammond's new list
Blind Butts, Huffer	Standard—10 doz \$1.25; 9 doz \$1.75dis 50&10 \$ 8 doz 2.50; 6 doz \$3.50dis 50&10 \$ Hercules	Blood's
Humason, Beckley & Co's	Ohio Tool Codis 60&10 %	Russel's, low list
Hotchkissdis 25 %	Nobles Mfg. Codis 05%5 %	"Lightning"
Humason & Beckley Mfg. Codis 25 % Bradley'sdis 25 % Beatty's	P. S. & W	Plate Hinges { 8,10 & 12 in
\$16.50 19.00 21.50 24.00 27.00 30.00 33.50 36.50	Douglass	and Strap. (14 to 30 in c. W ID
CAN OPENERS. American	Blacksmiths'each, \$2.50, dis 10 ≤ Blacksmiths' Self-Feedingeach, 7.50, dis 20 ≤ Breast, P. S. & Wdis 20&10 ≤	Crown spring hinges, for screen doors, dis 60 %; for for solid doors, single action, dis 45 %; for solid doors, double action, dis 55 %.
No. 4, French	Breast, Wilson'sdis 20 %	doors, double action, dis 55 %. Crown Screen Door Latch
Sardine Scissors \$\pi\$ doz \$7.00, dis 55 \$\frac{1}{3}\$ Sprague, No. 1, \$\pi\$: No. 2, 2.25 : No. 3, 2.50; dis 50&210 \$\frac{1}{3}\$ Universal \$\pi\$ doz \$3.00, dis 33\frac{1}{3}\$	Breast, Bartholomew'seach, \$2.30, dis 298:10 \$\footnote{8}\$ Wilson's Drill Stocksdis 10 \$\footnote{8}\$ Automatic Boring Toolseach, \$2.25, dis 20 \$\footnote{8}\$	doz \$9; 3-inch, \$12
CAPS, PERCUSSION, \$1,000. U. M. C., F. C. trimmed	Dover	American Tobacco Cutter
U. M. C., F. C. trimmed	Medalliongross, \$10.00 Victoriagross, \$10.00	10x134, \$\frac{1}{2}\$ dos \$37.50; No. 2½ rolls, 1xx34, \$48
G. D. & S. B	Regular numbers	Heavy Welded Hook 14 in. & up, \$6 \$1 100 lb. 90 \$
Musket, in 1-10's550 Hicks Ground Edge in Brass Boxes550	Flour and F. F	Screw Hook and Eye
Rim	Kettles	HOED,
Central Fire, pistol «ize	Escutcheon Pins—Brassdis 50 %	
" Swaged Conical	Door Lock Same discounts as Door Locks Brass Thread	Riveted Shank
Rim-fire, 22 short. \$ 5 long. \$ 6.00 " 32 " 10 " 15.50 " 38 " 18 " 18.00 " 41 " 15 " 17.50 Central Fire—32, \$11.00; 38, \$13.50; 41, 15.00; 44, \$19.	Fenn's dis 40 \$	Hick's Pat. Solid C. S. Scovill Patterndis 60&5 % Hubbard, Bakewell & Co—dis 50&10 ≸
Central Fire—32, \$11.00; 38, \$13.50; 41, 15.00; 44, \$19.	Fenn's Cork Stops dis 33½ % Star dis 55&10 % Frary's Patent Petroleum dis so&10 %	Ausable: Nos. 5 6 7 8 9 10
Horse and Curry, new list, July, 1881dis 10 % Cotton, new list, July, 1881dis 10 % Wool, new list, July, 1881dis 10 %		Plain, \$\pi \text{B} \dots \cdots gc syc syc syc sac a4c syc suc \cdots \text{a8c so sy syc syc syc syc syc syc syc syc syc
CARPET STRETCHERS.	Anchor Lock	
Cast Steel, Polished	J. Sommer's Best metallic Key	Pittnam "
CASTERS. dis 50&10 \$ Plate and Shallow Socket dis 50&10 \$	E. M. Boynton's	
Deep Socket	Moss & Gamble	Forged # B31c is 26 25c 24c 23c dis 30&10 \$\frac{1}{2}\$. A. C., #\frac{1}{2}\$ b28 25 23 22 21 21. dis 10,10&5 \$\frac{1}{2}\$. C. B. \$\frac{1}{2}\$38c 25c 23c 23c 21c 21c dis 10&5 \$\frac{1}{2}\$.
CATTLE LEADERS. Humason, Beckley & Co's	Heller Bros.' Horse Rasps	Bridgewater soc 230 210 200 190 180 dis 30 %
Sargent's	New American	New Haven31c 28c 26c 25c 24c 23c.dis 30&10 % Capewell31c 26c 26c 25c 24c 23c.dis 20&10 % HORSE SHOUS.
CHAIN. German Halter and coil Chaindis 50&10 % Trace. Breast and Fancydis 45&5 %	Knox, 41/4-inch Rolls\$3.50 each Knox, 6-inch Rolls\$4.00 eachdis 35 %	Burden keg \$3 70 R. I. Horse Shoe Co., Perkin's Improved,
Trace, Breast and Fancy. dis 45&5 \$ Oneida Halter Chain (old list). dis 45&5 \$ Galvanized Pump Chain. \$\mathbb{B}\$ b 8c net	Knox, 8-inch Kolis	Light, Medium and Heavy
Jack Chain, Irondis 60&10 % Jack Chain, Brassdis 50&10 % CHALK.	Knox, 8-inch	Horse
White	Crown, 4½-10., 33.50; 6, \$\mu_1,00; 6, \$\mu_2,00; each dis 35 \mu_35 \text{Crown Jewell.} dis 15. \mu_4 \text{American,5-in.,}\mu_3:6-in.,\mu_3:40; 7-in.,\mu_4:50 \text{cach dis 35 \mu_5} \text{Domestic Fluter.} \mu_5:50 \text{cach dis 35 \mu_5} \text{Convn Hand Fluter, White Metal,} \mu_4 \text{dot} \mu_5:50 \text{ each, net} \text{Geneva Hand Fluter, Nos. 1, \mu_5:3:5, 2, \mu_5:3:50} \text{Crown Hand Fluter, Nos. 1, \mu_5:3:5, 2, \mu_5:3:50} \text{dot} \text{dis 35 \mu_5} \text{Combined Fluter and Sad Iron,} \mu_6 \text{dot} \mu_5 \mu_5:50, 6, \dis 30 \mu_5 \text{Moss.} \text{Combined Fluter and Sad Iron,} \mu_6 \text{dot} \mu_5 \mu_5:50, 6, \dis 30 \mu_5 \text{Moss.} \text{Moss.} \text{American,} \mu_6 \text{dot} \mu_6 \mu_5 \mu_5 \text{dot} \text{dot} \text{dis 35 \mu_5} \text{Combined Fluter and Sad Iron,} \mu_6 \text{dot} \mu_6 \mu_5 \mu_5 \text{dot} \text{dis 35 \mu_5} \text{Combined Fluter} \text{American,} \mu_6 \mu_6 \mu_6 \mu_6 \mu_6 \mu_6 \mu_6 \text{dis 35 \mu_5} \text{dot} \text{dis 35 \mu_5}	Burden
Blue	Geneva Hand Fluter, White Metal, % doz \$12 dis 25 % Crown Hand Fluter, Nos. 1, \$15; 2, \$12.50;	Diamond State Horse Shoes, \$0.75 W kegdis 5 %
Cotton Fish Linesdis ank &		Diamond State Mule Shoes
Cotton Chalk Lines, so feet: Nos. 11, 13, 15, 17, 20, dis 33½ \$ 3.20. 3.60. 4.00. 4.50. 5.25. dis 33½ \$	Lawson & Brenizer	Peerless—3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7. 8 quart, \$9; 10 quart, \$12. The Grooch Paten "Glant"—14 quart, \$20; 18 quart, \$25; 21 quart
CHISELS. Socket Framing, Crossman	Burnished list as followsdis 60&10&10 \$	\$30; 25 quart, \$35; 32 quart, \$40; 42 quart, \$45.
Socket Framing, Crossman. dis 65&5 % Socket Framing, P. S. & W. dis 70&10 % Socket Framing, Douglass' dis 70&10 % Socket Firmers, Crossman. dis 65&5 % Socket Firmers, Crossman. dis 60&10 % Socket Firmers, Dio Tool Co. dis 60&10 % Socket Firmers, Douglass' dis 70&10 %	No 0 1 2 3 4 5 6 7 8 \$\mathref{H}\ \text{dez}\psi_3.00 3.75 4.85 4.70 5.85 6.00 7.00 8.00 9.00}	American—a quart, \$2.75; 3 quart, \$3.25; 4 quart, \$3.75; 6 quart, \$5 each
	Marking, Stanley's dis 50&10 5	S4.50; 4 quart, \$5.50; 6 quart, \$5.75; 3 quart, \$6.50; 10 quart, \$1.50; 5 quart, \$1.50; 8 quar
Tanged Firmers	Wire dis 108:10 % Wire, Disston's dis 20 %	\$9; 10 quart, \$11; 14 quart, \$14
CLAMPS.	Nail and Spikedis 40 %	quart, \$21; 24 quart, \$25. With fly wheel, 8 quart, \$13; 10 quart, \$16; 14 quart, \$20; 18 quart, \$20;
Iron, Screw, Eagle	"Eureka" Gimletsdis 50 % "Diamond" Gimletsdis 50 %	\$37.50
Iron, Carriage maker's, Carr & Crawleydis 25 \$\frac{\pi}{25}\$ CLIPS, AXLII. Norway or Best	Double Cut, Shepardson's	\$4.50; 4 quart, \$5.50: 6 quart, \$7; \$ quart, \$9; 10 quart, \$11; 14 quart, \$14
Superiordis 45&5 \$	Double Cut, Markeell's dis 50 %	\$4 so: 4 quart. \$5 so: 6 quart. \$7: 8 quart.
Conestogodis 60&10 \$ Coal Hods—Griffiths'dis 40 \$ COCKS, BRASS.	GLUE FOTS. dis 35 % Family, Howe's "Eureka" dis 35 % Family, L. F. & C.'s "Handy" dis 30 %	\$9; 10 quart, \$11; 14 quart, \$14dis 55 9 Crown Ice Chipper
Racking, new list, July 10, 1880dis 50&10 \$ Globe, new list, July 10, 1880dis 50&10 \$ Plain Bibbs, new list, July 10, 1880dis 50&10 \$	GRINDSTONE FIXTURES.	Carriage, (Jap'd 80 c \$\pi\$ gross)dis 60\$t 10 \$\pi\$ Base—Common
Ale and Beer, new list, July 10, 1880 dis 50&10 \$	Sargent's Patentdis 70&10 % Reading Hardware Codis 23&10 %	Door Mineral Door Por. Jap'd Door Por. Plated. Same discounts as Door Locks.
COFFRE MILLS. Parker's	GUN WADS.	Door Por. Plated. Same discounts as Door Locks. Door Por
Logan & Strobridgedis 45 % Enterprise Mfg. Codis 25 %	# # 9 and 10	Furniture, Wood Screws
COMPASSES, DIVIDERS, AC. Compasses		Shutter, Porcelaindis 50&16 \$
Dividersdis 55 % Cook's Pencildis 10 %	Maydole'sdis 15 % Hartford Hammer Codis 25 %	Melting & Skim'ng, Monroe's Pat. W doz \$4dis 40. Melting, C & C

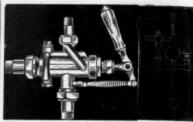
Magn'c Tack, Nos. 1,2,3, 1.86,1.50 and 1.75.dissg&105 Warner & Noble's
Yerkes & Plumbdis īs š HANDLES.—Door or Thumb Latches. Nos 0 1 9 3 4 Per doc. 50 80 100 118 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Roggin's Latches
Barn Door
Saw and Plane dis 408tro 3 Lippincott Cross-Cut Saw ssc. per pair Hammer and Hatchet dis 20 5 Brad Awl \$\$ gross, \$3.00, dis 208tro 5
Magn'c Tack, Nos. 1,2,3, 1.86,1.50 and 1.75, dissaft 105 Watere & Noble's
White Mountain, per doz
Barn Door, old patterns
Underhill's
Finished in red, per doz #42.00 ### ###
"Lightning"
Russel's, low list
Crown Screen Door Latch
American Tobacco Cutter
Heavy Welded Hook {8@12 in. \$7.50 \ 100 \ 10. \ dis \ 14 in. \ 20 \ 10 \ 100 \ 10. \ \ 10 \ 10 \ 10 \ 10
Screw Hook and Eye 23 18 96 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
Socket. \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Ausable: Nos. 5 6 7 8 9 10 Plain, % lb 30c 27c 28c 24c 23c 28cdis 20&10 8 Finish'd % lb. 31c 28c 26c 28c 24c 23c 28cdis 20&10 8 Clint'n, Pa, " 25c 21c 20c 19c. 18cdis 20&10 8 Clint'n, Fin'd " 24c 28c 21c 20c 19cdis 20&10 8 Essex, % lb 31c 28c 28c 28c 28c, 28cdis 20 Putnam " 27c 24c 29c 21c 20c 19cdis 20&10 8 Saranac " 26c 23c 21c 20c 19cdis 20.5 8 Saranac " 26c 23c 21c 20c 19cdis 20.5 8 N'thw'a " 28c 23c 23c 22c 21c 20c.dis 10&10 8 Champlain " 28c 23c 23c 22c 21c 20c.dis 10&10 8
Forged \$ 531c afte afte age age age age age dis 30&10 \$ A. C., \$ 1528 ag
HORSE SHOUS.
R. I. Horse Shoe Co., Perkin's Improved, Light, Medium and Heavy.
Bryden Steel Mule Shoes, \$6.75 \tilde{\pm} keg dis 5 \tilde{\pm} Diamond State Horse Shoes \$3.70 \tilde{\pm} keg Diamond State Mule Shoes \$4.70 \tilde{\pm} keg Ox Shoes to cis. \tilde{\pm} h to cis. \tilde{\pm} h Ice Cream preszens.
Peerless—3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7.8 quart, \$9; 10 quart, \$12. The Grooch Paten "Glant"—14 quart, \$20; 18 quart, \$25; 21 quart \$30; 28 quart, \$35; 32 quart, \$40; 42 quart, \$45. Discount 50 \$5.
American—a quart, \$2.75; 3 quart, \$3.25; dis 45 \$ 4 quart, \$3.75; 6 quart, \$5.275; 3 quart, Crown, single action, a quart, \$3.75; 3 quart,
54.50; 4 quart, \$5.50; 5 quart, \$7; 5 quart, \$6; 10 quart, \$1; 11 quart, \$14.4
\$37.50dis 45 \$ Star, double action, s quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7.7 8 quart, \$9.50; 10 quart, \$11; 14 quart, \$14dis 45 \$ Gem, double action, 2 quart, \$2.75; 2 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7.8 quart, \$6.50; 4 quart, \$11; 14 quart, \$14dis 55 \$7 Crown Ice Chipper
KNOBS. Carriage, (Jap'd 80 c @ gross)dis 60&10 5
Base—Common
Hemacite Door Asobs
Hemacite, Picturedis 35 9 Shutter, Porcelaindis 30&16 \$ LADLES.

	DALIMORE MI
LAWN MOWERS.	Enterprise Mfg. Co
Acme Buckeye, Easy and Excelsior, new list. dis 40 % LINES. Linen Fish	Monarch SAWS. Boynton's Lightning Cross Cuts, new list. Boynton's Circular and Mill.
Cabinet, Eagle	Boynton's Circular and Mill. Boynton's Ice Boynton's Lightning Hand, Panel and Rig Disston's Circular Disston's Mill Disston's Cross Cut
Yale Lock Co., Flat Key	Hubbard, Bakewell & Co. Circular Saws Hubbard, Bakewell & Co. Cross Cut Hubbard, Bakewell & Co., One-Man's, X (
Bradford Norwalk Norwich P. & F. Corbin Russell & Erwin Mallory, Wheeler & Co. Padlocks—Russell & Erwin Mallory, Wheeler & Co. Padlocks—Russell & Erwin Mallory, Wheeler & Co. Wm. Wilcox & Co. Wm. Wilcox & Co. Wm. Wilcox & Co's Plate Locks Romer's Conestoga Conestoga Gis 66% \$ and 5% for cash. dis 66% \$ and 5% for cash. dis 40% \$ and 5% for cash. dis 40% \$ and 5% for cash. dis 40% \$ and 5% for cash. dis 50% for cash. All ETS. Penfield Block Co., Apple, Hickory and	Hubbard, Bakewell & Co., Mill Saws Peace Circular and Mill Peace Hand, Panel and Rip Peace Band Saws, all widths Webster Cross Cut, with handles,dis 2; Griffin's Hack Saws and Blades
Wm. Wilcox & Co	SAW FRAMES. White
Scandinavian, "Norwich"	Stillman's Genuine, \$\frac{1}{2}\$ doz \$3.50 and \$5.50.\$ Stillman's Imitation. \$\frac{1}{2}\$ doz \$5.25, d Common Lever. \$\frac{1}{2}\$ doz \$5.25, d Leach's. No. 0, \$8.00; No. 1, \$1 Hammer, Hotchkiss. \$5.5.\$ Aiken's Genuine. \$3.300, d Aiken's Imitation. \$5.00. Disston's. \$00.1, \$15; No. 5, \$52; d SCALES. Hatch, Counter, No. 1, \$15; No. 5, \$52; d
MEAT CUTTERS. Dixon's (P. S. & W.) Nos. 1 2 3 4. \$\\$\\$\ \doz\ \gamma_1 \doz\ \gamma_1 \gamma_2 \gamma_3 \text{4.} \] \$\\$\ \doz\ \doz\ \gamma_1 \gamma_2 \gamma_3 \text{4.} \]	Disston's
Perry's, Nos. 1 2 3 4 4 gr'd 5 gr'd Each	Hatch, Counter, No. 171 doz \$42, dis Hatch, Tea, No. 161 doz \$15.00, dis
MRAT CUTTERS. Dixon's (P. S. & W.) Nos. 1 2 3 4 \$\frac{1}{2}\$ doz \$\frac{1}{2}\$ 3 \$\frac{1}{2}\$ dis 35 \$\frac{1}{2}\$ Each \$\frac{1}{2}\$ 3 4 \$\frac{1}{2}\$ doz \$\frac{1}{2}\$ dos	Chicago Scale Co. S Fairbanks'. Forsyth Scale Go.
Kieser's No. 82	Hatch, Counter, No. 171
Stebbins Patterns	Scale Beams, List of Jan. 12, 1882 SCRAPERS. Adjust. Box Scraper (S. R. & L Co.) \$6.50, di
Chase's Hard Metal	Box, 1 Handle
Boss Nos. 1 3 3 4 1 3 4	
NUTS AND WASHERS. Square Nuts 8 c off list. Hexagon Nuts 8½c off list. Washers 745 off list.	Douglas Mfg. Codii Disston'sCowles Mfg. Codis 500 Stanley Rule & Level Co's. Var. Hdlsdii Stanley Rule & Level Co.'s Black Hdlsdii Ratchetdi
Zinc and Tin	Clark's Patent
Per dozen	Flat Head Brassdis Round Head Brassdis
Astor Plaiting Machineeach \$15, dis 20 % Crown Plaiting Machinesdis 25 % 6 in., \$6; 10 in. \$8 each. PLANES AND PLANE IRONS.	SCREWS. Flat Head Iron, A. S. Co's list, Jan. 1, '85.d. Round Head Iron
Bench, First Quality	Machine, Flat Head, Iron
January 1879 dis 20&10 \$ Bailey's dis 20&10 \$ Plane Irons, Butcher's \$5,50 to \$\(\) \(\) Plane Irons, Auburn Tool Co dis 20 \$ Plane Iron, Ohio Tool Co dis 20 \$ Plane Iron, Sandusky Tool Co dis 20 \$	Bench, fron dis Bench, Wood, Heach Book Basoo Bench, Wood, Hickory dis Hand, Wood. dis Hand, Wood. dis Hand Rail, Sargent's dis Hand Rail, Humason, Beckley & Co. 's. dis Hand Rail, Am. Screw Co., list Jan. 1, '81 Jack (Wilson's) SCREEN FRAMES AND FIXTURES.
Button's Patent	## Window Screen No. 1, # doz ## Door # No. 5, \$15; dis ## Window Corner Irons, No. 3, doz ## No. 6, ## dis
Disston's dis 40 % Stanley R. & L. Co.'s Pat. Adjustable dis 65&10 % Stanley R. & L. Co.'s Non-Adjustable dis 65&10 % Chapin's Patent Adjustable dis 65&10 % Chapin's Non-adjustable dis 65&10 % Standard Rule Co.'s New Adjustable dis 65&10 % Standard Rule Co.'s Non-Adjustable dis 65&10 % Standard Rule Co.'s Non-Adjustable dis 65&10 %	Porter's Patent Window and Door Screen PER DOZ. S In Im White. W
BATT	No. 21 2.25 No. 22 5.50 No. 33 6.00 No. 70 9.00 1
	three-foot window, \$\mathbb{A}\ doz sets \ldots \ld
Small, Med. Large.	No. 1½. " \$2.40; Nickel, \$ No. 1½. " # doz sets, Bronze \$3.35; Nickel, \$ No. 4 " # doz sets Bronze
Iron and Tinned, new list, Dec. 10, 1881dis 40 %	No. 1½. " # dor sets, Bronze \$2.25; Nickel, \$ No. 4. " # dor sets, Bronze \$4.00; Nickel, \$ No. ½. " or door, # dor set Bronzed, \$1.00; Nickel, \$ " or Door, # dor set Bronzed, \$2.00; Nickel, \$ No. 2½. " Door, # dor set Bronzed, \$2.00; Nickel, \$ \$5.75; Nickel, \$5.75; Nickel, \$5.75; Nickel, \$5.75; Nickel, \$5.75; Nickel, \$5.75;
\$ 1b 49c. 50c. 52c. 54c. 56c. 58c. 60c. 65c. 70c.	No. 4½. " or Door, \$\beta\$ doz set: Bronzed, \$2.00; Nickel, \$\beta\$ No. 2½. " Door, \$\beta\$ doz sets, Bronzed
RODS. Stair, Brassdis 25 %	No. 3. " Adoz sets, Bronzed
Chapin's	SHEARS AND SCISSORS. American (Cast) Iron
Stanley and 10% Stevens & Co. dis 70% 10% Ivory dis 50 % Stevens & Co. Miscellaneous dis 50% 10% 10% 10% 10% 10% 10% 10% 10% 10% 1	Tinners dis f Massachusetts dis f Seymour's dis f Jersey Shears J Wiss & Son, Nickle, 50%5 ≸; Japanned,
Chapin's	Sliding Door, M. W. & Co., List. dis Sliding Door, R. & E. list. dis 60& Sliding Door, Patent Roller dis 60& Sliding Door, Pt. Roller, Hatfield'sdis 60& Sliding Door, Pt. Roller, Hatfield'sdis 60& Sliding Door, Russell's Anti-Frictiondis 60&
SAND PAPER.	Sliding Door, P. Koller, Matterd S. dis ook Sliding Door, Russell's Anti-Friction dis ook Also see Hangers. SHOVELS AND SPADES. Ames, New List, July 1, 1887
Baeder & Adamson's Emery B r'm \$6.50@11.50 J. Bartle's Sand, Flint and Emery Paperdis 30%5 \$ SASH CORD.	Also see Inangers. SHOVELS AND SPADES. Armes, New List, July 1, 1887
Patent ## Bb, 17c@18c. net E Silver Braided Lake Hemp ## Bb, 50c, dis 10 % Silver Braid, Lake White Cotton, ## Bb, 50c. dis 10 %	Hussy, Bins & Co
	SPOKE TRIMMERS. Sonney's \$\frac{1}{2}\text{ of \$25}\text{, dis } \$\frac{1}{2}\text{ or \$25}\text{, dis } \$\frac{1}{2}\text{ of \$25}\text{, dis } \$\frac{1}{2}\text{, dis } \$\frac{1}{2}, d
SASH WRIGHTS. Solid Eyes, in 500-lb. lots and over, \$\ \mathbb{B}\$ b. 1\(\frac{1}{2}\)c. net SAUSAGE STUPPERS OR FILLERS.	Vm. Rogers Manf. Co. dis 50, I olmes, Booth & Hayden dis 40& strown Bros. dis 40& Vallace's Steel Silver Plated dis 333
Miles Book Stuppers or Fillers. Ro, dis 25% 5 Retry	Cogers Bro dis 40,

BALTIMORE MANUI	7
Enterprise Mfg. Codis a5 ; Monarchdis 40 ;	K K
Enterprise Mfg. Co	
Hubbard, Bakewell & Co., Mill Sawsdis 408 5 8 Peace Circular and Mill	
Saw Frames. White	
Webster Cross Cut, with handles,	
Hatch, Counter, No. 171	
Forsyth Scale Go	
Adjust. Box Scraper (S. R. & LCo.) \$6.50, dis 20&10 \$8 Box, 1 Handle	
Vilson Mfg. Codis 10 % SCREW DRIVERS.	1
Dission's dis 40 \$	
hepardson	0
apanned, list of Plain Screws dis 73/8 g oach, Patent Gimlet Point dis 75/8 oach, Common or Lag dis 60& 70% to dis ed dis 10/8 to dis 55/8	CIFI
ed. dis 10 % lachine, Flat Head, Iron dis 55 % lachine, Round Head, Iron dis 50 % ench, Iron dis 50 % ench, Iron dis 50 % ench, Wood, Heach Bolton dis 20 % ench, Wood, Hickory dis 20 % ench Wood, Hickory dis 20 % ench Wood dis 20 % ench Wison S end Rail, Humason, Beckley & Co.'s dis 40 % ench Wison's) dis 20 % ench Wison's)	LATOVEG
and Kail, Am. Screw Co., list Jan. 1, 781dis 70 \$ (ck (Wilson's)	HPP
orter's Patent Window and Door Screen Frames:	P
PER DOZ. SETS. In Im. Bl'k White. Walnut.	S
0. 90	В
o. Corners and Sticks complete for a	"
three-foot window, A doz sets	B
\$3.25: Nickel, \$7.50	BBBB
0.4. "	CGTT
0. 4½. " or Door, % doz sets, Bronzed, \$2.00; Nickel, \$4.00 Door, % doz sets, Bronzed,	A
	Fe Ja Gi
nerican (Cast) Iron	Pi Cl W
Wiss & Son, Nickle, 50&5 %; Japanned, 60&5 %	Ar Ba Ba Co Co
cholinic temporal	Co Co Gi Gi
wland's	Ur Ur Ur

	ACTURERS RECORD.
25 ;	SILVER PLATED HOLLOW WARE.
40 5	Will. Rogers Mant. Codis 40, 1585
40 5	SPOONS.
10 5	Tinned, Iron, Table and Teadis 60% 10
10 5	
5 5 ft	C STORE.
5 %	Sand Stone
5 9	Washita Stone, Slips
5 %	SQUARES.
0 %	Irondis 50 %; full cases, dis 50&10 % Nickel Plated and 42 50%4 % doz net
0 %	
0 %	TACKS, BRADS, AC.
0 %	New List, Sept. 1, 1882. Tinned Swedes Tacks
5%	New List, Sept. 1, 1882. Tinned Swedes Tacks. dis 50 % Tinned American Tacks. dis 50 % Swedes Tacks, all kinds. dis 50 % American Cut Tacks. dis 50 % Copper Tacks and Nails. dis 50 % Hungarian Nails. dis 35 % Gimp and Lace Tacks. dis 30 % Gimp and Lace Tacks. dis 30 % Finishing Nails. dis 30 % Finishing Nails. dis 30 % Common and Patent Brads. dis 30 % Common and Patent Brads. dis 30 % Basket Nails. dis 30 % Basket Nails. dis 30 % Eathered Carpet Tacks. dis 30 % Carper Box Nails. dis 30 % Chair Nails. dis 30 % Ch
0%	American Cut Tacks
0 %	Gimp and Lace Tacks
30	Finishing Nails
dis	Common and Patent Bradsdis 30 % Basket Nailsdis 30 %
× ×	Brush Tacksdis 20 \$
*	Cigar Box Nails
38	and bounds.
*	Common and Ring
×	Enterprise Mfg. Codis 25 1 TOBACCO CUTTERS.
×	
et %	Enterprise Mfg. Co (Champion)
* * *	THERMOMETERS.
18	Tin Casedis 75&10 % Storm Glasses
XXXX	Winsted In the gc. dis 5 %
	Game, Newhouse dis 55 g Game, Oneida Pattern dis 60&10 g Game, Blake's Patent dis 40&10 g Mouse, Wood, Choker holes, 16c Mouse, Round Wire holes, 16c Mouse Cage, Wire holes, 25, 0, dis 10 g Mouse Catch-em-alive holes, 25, 0, dis 10 g Cyclon Mouse body 25, 25, 0, dis 10 g Cyclon Mouse holes, 16c Red 25, 25, 0, dis 10 g Cyclon Mouse, holes, 16c Red 25, 25, 25 Delusion Mouse, per doz 51, 50
XXX	Game, Oneida Pattern
××	Mouse, Round Wire
×	Mouse, Catch-em-alive
××	Ideal Mouse
XXX	TROWRLS.
AXX	Lothrops' Brick and Plasteringdis 25 %
*****	Lothrops' Brick and Plastering dis 25 Reed's Brick and Plastering dis 15 S Disston's Brick and Plastering dis 25 Clement & Maynard's dis 20 S Worrall's Brick dis 20 S Brades & Walby's dis 20 S Brades & Walby's dis 20 S dis
×	Worrall's Brickdis 20 % Brades & Walby'sdis 20 %
%	Gardendis 55 % TRUCKS (WAREHOUSE, &C.)
5	
3	Handy Truck. \$2.50 net Penfield Block Co. list, 1882. dis 35 \$7 Peerless, with Cogs, No. 3. \$4.00 Peerless, with Cogs, No. 4. 66.00 Eureka, No. 3. \$7 \$\$\text{\$\text{\$q\$}}\$ doz 42.00
5 2 3 3 2 2 ::	
	Solid Box—Wilson's
	Iron City Tool Worksdis 45 %
33/3 %	" Trentondis 25 % " Parker'sdis 20 %
1	** Prentiss
	Brass and Copper, list of Jan. 17, 1884dis 15 %
	Bright and AnnealedNos. 19@26, dis 50&10 % Bright and AnnealedNos. 19@26, dis 60&10 %
9973	Coppered
	Tinned, Nos. o to 18
	Annealed Fence, Nos. 8&9dis 55 % Annealed Grape, Nos. 10 to 14dis 50@10 %
	Japanned Barb Fence
	Buck Thorn Galvanized
	Brass and Copper, list of Jan. 17, 1884
	WRENCHES.
	American Adjustabledis 45 \$

Universal, XX, No.	21/2	36.00
	2	
Universal, XX, No.	11/2	51.00
Universal, XX, No.	I	66.00
	8each	
Universal, XX, No.	12each	20.25
Universal, XX, No.	18each	22.75
	22each	
	O. I	
Peerless, with Cogs,	No. 21/2	45.00
	No. 2	



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The Manufacturers' Record,

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BIGSBY & EDMONDS, Publishers, Baltimore.

Below are a few extracts from recent issues of Southern papers, showing the estimation in which the MANUFACTURERS' RECORD is held by those best capable of judging of the value of its work:

THE BALTIMORE MANUPACTURERS' RECORD has been doing a valuable work for the South in making a specialty of reporting Southern progress. No paper in the Union has more entitled itself to Southern gratitude than this enterprising and reliable journal. The RECORD has come to be a standard of authority in the matter of Southern advancement. Its labor has been remarkable in this work, and its care and accuracy phenomenal. As it has progressed in popular esteem, a few have endeavored to discredit its work. But all attempts have sim-ply riveted it more strongly in public esteem. The recent publication in its issue of April 11th, of the development of the industrial interests of the South, has attracted general attention. The fine aggregate of \$30,591,000 of new capital invested in manufacturing is given. The figures, if possible, fall short of the mark, rather than overstate it. In getting up this valuable and accurate information, the editors of the RECORD underwent the enormous trouble of writing between 1,500 and 2,000 letters and postal cards. No journal has done more to bring Southern resources to Northern observation. Let our Southern press uphold the RECORD in its good labor. It has conferred an incalculable benefit upon our section.-

Is doing a wonderful work for the South .sboro (Ky.) Messenger.

The leading journal of its class in this coun-y.—Elkion (Md.) Whig.

OUR leading manufacturing organ of the South .- Beaumont (Tex.) Enterprise,

THE BALTIMORE MANUFACTURERS' RECORD is almost a real necessity to every live Southern manufacturer and would prove of value to every intelligent Southern man. It is devoted exclusively to the industrial development of the South, but is the most complete and reliable paper of the kind published anywhere. It is the only technical journal of which we know that, without being what is known by the stereotyped adjective "popular," is of real interest to the general reader.—Shelby, N. C., New Era.

Is accomplishing a work of inestimable value is accomplishing a work of inestimable value to our section of the country. There is no other journal in the country which contains so much valuable and thoroughly reliable information about the South. It has thrown itself heart and soul into the great and good work in which it is engaged, and has been a powerful factor in inaugurating and helping forward the march of Southern progress.—Farmville (Va.) Journal.

No more welcome journal, or one whose columns we take more pleasure in scanning, finds its way to our office than the MANUFACTURERS' RECORD, of Baltimore, * * * We would be gratified if some of our residents would read it long enough to become imbued with the spirit of progress its columns unfold, and then put he lessons they learn to practical use in our nidst.—Herald, Claremont, Va.

No journal published in this country that shows more real interest in the development of the South in all its industries. It is always welcomed in our sanctum as the champion of Southern enterprise, and we find it is extensively quoted and more highly commended by the Southern press than any other trade paper in the Union.—Citizen, Canton, Miss.

Publishes every week probably more information relative to Southern manufacturing, mining and railroad affairs than can be gathered from any other single source. It has in many ways contributed largely to the material development of the South, and deserves a wide circulation throughout the Southern States.—Charleston, S. C., News and Courier.

Has closely and faithfully chronicled Southern industrial progress, and devotes itself with commendable zeal to the development of all the material resources of our section. It deserves the liberal encouragement of our people. —Roanoke (Va.) Leader.

Its editors have discernment enough to see that there is a bigger boom in store for this section than has yet been forecast, and it has labored zeniously in aiding to unfold its resources.—Daily Review, Wilmington, N. C.

A well got up, lively and enterprising journal like the MANUFACTURERS' RECORD is just the right thing in the right place. No manufacturer, business man, or, in fact, anyone interested in the progress of the South, should be without it.—The Commercial, Newport News.

THE leading journal of its class in this country. Doing an excellent work through its close attention to all indications of industrial progress in the South. Recently it has secured a number of correspondents in Kentucky.—Louisville, Ky., Daily Commercial.

THE BALTIMORE MANUFACTURERS' RECORD is one of the ab'est industrial journals in the country.—Atlanta (Ga.) Constitution.

One of the best papers published in the United States for the accomplishment of the purpose to which it is devoted. It has done more to build up railroads, manufacturing and mining interests in the Southern States than all othe instrumentalities combined, and deserves and should receive the liberal support of the South ern people. It is ably edited, valuable for its exhaustive statistical record of Southern industries and enterprises, finely printed and illustrated, and is worth ten times its subscrip-tion price to every mechanic, merchant and manufacturer in the Southern States. It has a large corps of able and painstaking contributhe material facts We find it invaluable in giving us much useful information about the South, of which we would know nothing without the MANUFACTURERS' RECORD.—Commer cial, Pensacola, Fla.

Interesting, trustworthy and thorough. Has in many ways contributed to the material development of the South, and deserves a wide circulation throughout the South.—Hunteville

THE BAITIMORE MANUFACTURERS' RECORD is authority on all new enterprises in the South.—Annieton (Ala.) Watchman.

The leading journal of its class in this coun try. It is devoted exclusively to Southern ma-terial advancement, and each week contains a list of all new Southern industries. Its editorial-are sound and readable. - Charlottesville (Va.)

ONE of the most welcome papers that comes to our office. It is devoted to the material prosperity of the South. Probably it has done more than any other paper for the material development and advancement of the South.— Weekly, Franklinton, N. C.

Doing a good work for the Southern States It deserves the encouragement of all our business men.—*Times-Union*, Jacksonville, Fla.

One of the most interesting and useful jour-nals that come to our table. It is the best source of information in regard to the progress of the industries of the South that we have in the country.-Natchez (Miss.) Democrat.

THE MANUFACTURERS' RECORD, of Balti-

THE MANUFACTURERS' RECORD. of Baltimore, is doing a good work for the South,—Dispatch, Lexington, N. C.

A PUBLICATION that commends itself to every thoughtful, progressive Southern man. A complete synopsis of the development of all the industries of the South, presented in choice English and on most substantial facts. It is a weekly encyclopedia of Southern interests in all their varied ramifications.—Sentinel, Grenada, Miss.

ada, Miss.

The Manufacturers' Record is doing all in its power to advance the development of the material resources of the South. It deserves the assistance of every Southern journal and liberal patronage from our tradesmen. Its articles, always progressive, are well calculated to draw attention to our vast fields of undeveloped wealth, and its columns are perhaps more frequently quoted from than those of any paper of the kind published anywhere. The paper supplies a long-felt need in bringing facts with regard to the South before the people of the North and West.—Wytheville (Va.) Enterprise.

Enterprise.

RANKS among the industrial papers of the country. Its weekly articles on Southern industrial progress are able, interesting and reliable.—American Lumberman, New Orleans, La.

The South is rapidly prowing in wealth and material prosperity, and its manufacturing interests are being largely developed. There are various reasons why this is so. Its great mineral resources, salubrious climate, are prime motors in this direction, but to no outs'he influence is so much due as is to the MANUFACTURERS' RECORD.—Havre-de-Grace (Md.) Republican.

Its statistics have not been successfully contradicted, although mildly doubted by the small section of the press that still lacks capacity to realize what a vigorous, virile worker and producer the glant young New South is,—Times Democrat, New Oricans, La.

One of the ablest and most earnest wor for the development of the industries of South.—New River Bulletin, New River, Va.

An energetic exponent of the marvellous resources of our section and its industrial enterprise, and has wide-spread circulation.—
The News, Fredericksburg, Va.

THE MANUFACTURERS' RECORD has done more to build up Southern interests than any other paper of the South.—Curthage (Tenn.)

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CHAS. F. CLARK, President.

Baltimore Office,-American Building, H. KERSHAW, Supt.





TALLMAN & McFADDEN, Philadelphia, Pa



What is Going on In and Around Birmingham.

BIRMINGHAM, ALA., July 2, 1885. This section is on the eve of a big boom Several prospectors have been investigating the surrounding country for the past week or two, and are favorably impressed-so much so that they are now examining and negotiating for lands, etc. They will, it is said, erect large stove works here. Other parties are here looking up industries of various kinds; and before fall begins this city and surrounding country will "blossom." Mr. C. P. Williamson, of this city, who already owns a large foundry and machine shop, will build a large blast furnace, work on which will be commenced about July 15, The Elyton Land Co., of this city, took \$100,000 worth of stock in this furnace.

There are now being finished and in course of erection 149 houses, including new stores. These are not shoddy build ings, but are good substantial houses-the business houses all being handsome brick buildings. Two new bank buildings are going up. When finished, there will be four solid banks in the city.

The Elyton Land Co. and the Board of Trade held a meeting together a few days ago, when all the members were present. After discussing various subjects, a member of the Board of Trade said he thought the Elyton Land Co. hadn't done as much for Birmingham as a corporation of its magnitude and character should do. To this, one of the directors of the Elyton Land Co. replied that they had assisted Birmingham's industries to the extent of \$660,000 by donating to them building lots and rendering assistance in various other ways; he also further stated that they were going to build the \$200,000 hotel and the large bridge which has been talked of for the past five or six months.

Some persons have censured the Elyton Land Company about showing indifference to the needs and wants of the city, but it must be remembered that they started the city, which has already gone beyond their expectations. They owned all the land on which Birmingham now stands, and they pay taxes on about one and one-half million dollars worth of property.

The Pratt Coal & Iron Co. will doubtless build their furnace during the coming fall. Business in every branch, it is hoped, will look up, and a reaction is expected. Manufactories will then be finished and others started. Coal mines will be opened on every hand, and a general rush of business will set in. All our industries, machine works, rolling mills, furnaces, mines, &c., are running, and have never shut down during the dull season, and only two or three have reduced their force. No strikes will occur during the summer, and everything pertaining to dissatisfaction during the strike in the North was amicably settled. Furnaces that were shut down for repairs a month ago are now in blast, and I don't know of a single idle furnace to-day in the Birmingham district.

New ore mines continue to be opened. When the Georgia Pacific Railroad is completed to Columbus, Miss., the Walker county (the richest mineral county in Alabama) region will be opened, its coal fields operated, and business between the two sections commenced.

Business in the mercantile line is somewhat dull at present, although not discourwhat dull at present, although not discouraging. Merchants realize the fact that it is dull throughout the entire country, consequently little complaining is heard. Pig iron makers are shipping regularly the usual amount. Contractors, builders, carpenters, plumbers, and ordinary laborers are doing well the amount of building going on, street improvements, &c., affording employment and work for a great many hands. The coal trade is about as usual—the output continuing nearly the same all hands. The coal trade is about as usual—the output continuing nearly the same all the time. To make a long story short, business, generally speaking, cannot be said to be very brisk, but moving along in a steady manner.

J. A.

To Lend a Helping Hand.

BIRMINGHAM, ALA., June 25, 1885. Editor Manufacturers' Record

Your report of the organization of the Lomb Improvement Co." at this place is correct. However, some of the objects of the company not noted in your report are the encouraging and assisting of emigration to the Southern States; also, to secure and assist the removal of manufacturing establishments to the Southern States from the North and East. Parties desiring to remove their plant South sometimes find it desirable to secure some assistance from the locality to which they propose to remove, and it is our purpose to secure this assistance, receiving a small commission for our services Our capital stock at present is but \$5,000. We hope, however, by 1886 to increase it to \$100,000. Permit me here to express my appreciation of your worthy journal. It is doing a great work, and is the most reliable record of Southern industries I have been able to secure. G. W. C. LOMB.

THE mercantile failures for the six months ending July 1 are reported by R. G. Dun & Co., of the Mercantile Agency, as 6,004 in number, as against 5,510 for the first six months of 1884, an increase of 494 failures. In liabilities, however, there is a marked diminution, the amount being for the first half of 1885 \$74,000,000, as against \$124,000,000 in the first six months of 1884. In the circular announcing these statistics, the fact is dwelt upon that an increase in failures of less than 500 among the number of traders reported by this agency, now over a million, is not surprising, while their diminishing importance, as shown by the low aggregate and average of the liabilities, is commented upon as indicating a more favorable condition of things than existed at this time last year.

THE disbursements at New York on July 1st, on account of dividends on railroad, bank and other stocks and bonds, amounted to about \$60,-000,000, while at Boston, Philadelphia, Baltimore and elsewhere a good many more millions were paid out. These heavy payments ought to make money a little easier and cause an improvement in trade matters.

A LETTER published in this issue of the MANUFACTURERS' RECORD, from the Oval Wood Dish Co., of Tiffin, Ohio, states that they desire to establish a factory at some point in the South where the proper kind of timber can be had.

MR. EUGENE MOREHEAD, banker, of Durham, N. C., writes us under date of June 30:

"A trip last week from Goldsboro to Morehead City showed the best crops in that section of North Carolina that they have had for years, and so I was informed.

THE treasurer of Coosa Coal & Coke Company, of Broken Arrow, Ala., writes us "as a matter of information to you, I beg to say that we have now sixty coke ovens in blast, and are opening a new slope for getting out coal whose capacity will be 500 tons of coal per day."

Business Chances.

43 For the purpose of making the MANUFACTURERS' RECORD a still MANUFACTURERS' RECORD a still more valuable medium of communi-cation between its readers North and South, we will publish, FREE OF CHARGE, short advertisements, not exceeding 40 words, from those in the South who have mills, factories, manufacturing sites or water-power for sale, capital wanted for industrial enterprises, &c., &c.; while readers other sections who desire to enga in manufactures at the South are a invited to use these columns, without cost, either in seeking information regarding the advantages and special claims of different localities, or for asking about good openings for men and money. This department is also and money. This department is also free for Southern manufacturers who wish to advertise for mill managers superintendents, engineers, &c. In corresponding with any of these advertisers please mention the Balti-more Manufacturers' Record.

NEWSPAPER FOR SALE.—A weekly news paper with complete outfit, as good as new, in one o the most prosperous towns in the South. For particu lars, address Newspaper, care Manuracturens

WANTED.—A man who thoroughly understands making sash, doors, blinds, window and door frames, and all work usually done in a carpenter's machine shop. None but a first-class workman, well skilled in the use of machinery, need apply. Address, with reference, B. T. Willard & Son, Maryville, Tenn.

WANTED—A party with \$1,000 or \$1,500 to take n interest in and become resident manager of a lum-er business in North Carolina. Company incorpor-ted. Salary paid to the right party. Address E. K., eechville, N. C.

WANTED—Another member for a company that intends starting a locrative business in Washington county, Tennessee. For particulars address Jno. Wightman, Williamsport, Pa.

WANTED by a machinist with an established business, a partner with \$3,000 to \$5,000 capital, to start a machine shop and to handle machinery. One of the best locations in the United States. Ample business already promised; room for almost unlimited development. Location, a vigorous and progressive Southern town; perfectly healthful. Investigations solicited. Address Machinist, care Manufacturers' Record.

FOR SALE.—A Stearns saw mill comple latest improvements, in perfect order; cap M feet timber a day; 80 horse-power engine; der boiler, edger, saw sharpener, swage, rented as it stands with buildings. Mill sfacilities are unsurpassed in the South. Add G, Chisolm, Charleston, S. C.

WANTED—Situation as engineer to go South; have had 28 years' experience; can give best of Cin-cinnati reference; am not afraid of work. Address J. Wasmer, care M. Fuller, 376 Clifton avenue, Cincin-nati, Ohio.

TOBACCO MANUFACTORY.—A party with some capital and a knowledge of the business of manufacturing tobacco can find at Morristown, Ten nessee, parties to join him in erecting a tobacco factory. Tobacco growing is a new and increasing industry here, and there are no factories. Address W. H. Coffman, Morristown, Tenn.

A YOUNG MAN of ability, at present employed in one of the large cotton mills in the South, would like to take the management of a mill for a share of the profits. Best of reference as to ability and character. Address A. B., care MANUFACTURERS' RECORD.

WANTED—Three to four thousand spindles Spinning machinery to be put in as stock in weaving mill, now running on plaids. Brick mill; amply power; labor abundant; railroad within thirty feet in a growing Southern city. For particulars address Plaid Mill, care Baltimore Manufacturers' Rec

IRON.—A party who owns in East Tennessee, close to a trunk line of railroad, some of the most extensive iron ore properties in the United States, wants to organize a company with capital sufficient to manufacture them. Address W. N. Coffman, Morristown, Tenn.

FOR SALE CHEAP—A fine mill-site in Sout Carolina. Location unsurpassed; stream never failing. The fall of water exceeds fifteen feet. & horse-power at lowest calculation. Good rallwa facilities; fuel near at hand and very cheap. In fine cotton country. Address C. H. Wells, Green ville. S. C.

facilities; fuel near at hand and very cheap. In a fine cotton country. Address C. H. Wells, Greenville, S. C.

TALC.—A gentleman who has a fine deposit of talc on his farm in South Carolina, near railroad, would like to sell mineral rights in the land cheap. Gold is found in small quantities, and grindstones in abundance. Address Box 160, Greenville, S. C.

BARYTA.—We want to purchase baryta property and request information as to where it can be had; would be glad to have particulars of any property of this character that is for sale. Address S. C., care MANUFACTURERS' RECORD, Baltimore.

A PARTY with capital desires information concerning a good location for a 10-ton ice factory or ice factory and oil mill combined; can build at once. Address Roberts, Room 4, 83 Cedar st., New York.

THE OWNERS of a cotton mill in the South want an experienced man to take an interest in the mill, and take charge of same as manager. The officers and other stockholders have had no experience in running cotton factories, and besides, their time is so fully taken up with other business that they can not give personal attention to management of the finances or to the sale of the product. Machinery all new, and of the latest improved patterns. The mill is located in a flourishing and rapidly-growing city, with 6 railroads, and river navigable all the year. Coal is laid at the furnace door for \$1.70 per ton. It is desired that the manager shall have some interest in the mill, and no proposition will be entertained unless the party can put in at least \$10,000. Address A. C. M., care Manupacturers' Record.

WANTED.—By a married man, a situation as overseer or superintendent of twine mill in the South, has had many years' experience in the manufacture of hard, soft and and medium twines, warp, yarrs, wick, &c. Can furnish best of reference as to ability, character, &c.; or would like to correspond with a party with view of introducing an improved spindle for the manufacture of the same. Address J. E. R., care of Manufacture of the same. Address J. E. R., care of Manufacturers' Record, Baltimore, Md.

WANTED.—A party with \$3,000 to join me in the development of 595 acres of land in Virginia, on which there are good indications of lead, cannel coal and silver; also coal oil. Lease for 99 years. Address A. S. Hanger, Lexington, Va.

A SCOTCHMAN of twenty years' experience as designer and manufacturer of the best classes of cotton and woolen fabrics, is open for engagement, or partnership with a party of means to manufacture these goods; thoroughly up in all details. Address W. M., care MANUFACTURERS' RECORD.

TURNER WITH LATHE WANTED.—Will turnish Hickory, Dogwood, Persimmon and Walnut waste, suitable for Handles, etc., with power, house, and garden plat for part of product. Address M. F. L., care Manufacturers' Record.

WANTED—TIMBER.—A purchaser for the finest tract of timber land in Tennessee, near railroad— poplar, ash, hickory, red cedar, white oak and walnut, E. H. Lewis, Nashville, Tenn.

FOR SALE.—83 acres of land in half mile of the growing town of Warrior, Ala. About 40 acres cleared; 2 good springs; coal under 73 acres. Great bargain. For further particulars, call on or address S. C. Davidson, Warrior, Ala.

WANTED—A partner to take half interest in a two press cotton-seed oil mill and cotton mill, or will sell out. Can add other machinery. Good healthy locality. Address W. E. Yancey, Talledega, Ala.

WANTED—A partner in a steam saw mill; well timbered with best yellow pine. This mill is lo-cated on the Memphis & Charleston Railroad, one hundred and nine miles from Memphis, Tona. Address G. N. Harvey, Burnsville, Miss.

HAVING the requisite practical and fair business experience, I would like to take charge of a cotton aill. Address A. E., care of MANUFACTURERS'

WANTED—One set wool cards and jack with bob-ns and picker. H. G. Hall, Fayetteville, N. C.

WANTED.—Situation as superintendent of co factory; now employed in the South; satisfac reasons for leaving present place; good referer Address N. C., care MANUPACTURERS' RECORD.

WANTED.—A party to join me with some capital in a well established cotton gin factory in the South. The gins have no superior. Margins good. Water power used. Timber cheap and abundant. Address "Gin Factory," care of MANUFACTURERS' RECORD. Baltimore.

A Splendid Chance for Investment. FOR SALE. Colonel's Island,

aron a to 4 wide, at widest points. Contains about 7,000 acres, 4,500 acres being marsh land, and the remaining 2,500 acres good productive hummack and high pire land, adjoining exhaustless beds of excellent fertilizing muck and marl, easily accessible in the marshy part of the island. On the high part of the island is a large body of live oak timber, valuable for ship building and other purposes. The present improvements consist of a few comfortable houses, some wells, shade groves, &c.

Being surrounded by sea water, the climate is as mild as that of South Florida. Among the productions are cotton, corn, peas, sweet and Irish potatoes, oats, vines, fruits, including finest varieties of oranges, good lemons, &c.

The island fronts on Turtle river, and has 1,950 feet of the deepest water front in Brunswick harbor, which is in many respects the finest on the South Atlantic coast.

Ships and steamers connecting with the East Tennessee, Virginia & Georgia Railroad go by this front and a mile beyond, to reach their wharves and depot. This water front will, in the near future, be made a landing place for ocean freights, which will be conveyed across the island by a railroad which will bridge the salt creek separating the head of the island from the mainland, and the present railroad lines.

When this island railroad is built, it will connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will bridge the connect with a line of steamers which will brid

lines.

When this island railroad is built, it will connect with a line of steamers which will run to Fernandina, only 20 miles distant, by a clear, deep, inland passage.

The United States Government purchased on Blythe Island, less than a mile distant, a site for a navy yard, paying for the same about \$200,000. The fine live-oak timber on Colonel's Island will be needed for ship-building, when the navy yard is opened.

The climate and health of the island are unsurpassed.

yard is opened.

The climate and health of the island are unsurpased.

The waters surrounding it are stocked with first-class oysters, and afford the finest fishing on the coast of the Southern States.

Deer, quaii, wild turkeys and ducks, and all the sea birds that frequent the coast, abound on the island and adjoining mainland.

The island is a perfect, enclosed stock-range, with an abundant, constant supply of fine natural grass.

It could be made a very choice resort and place of residence for the entire year, the climate being mild in winter, and cooled by ocean breezes in summer.

It is a splendid site for a Factory and Town,

An offer of \$50,000 has been refused for the property since the war; but it must now be sold to finish the settling up of an estate.

Title perfect.

Price \$5,000; \$10,000 cash; balance in one and two years, with interest at the rate of 8 per cent., or all cash. Address E. H. B., care MANUFACTURERS' RECORD.

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PAINTS.	
Black Lamp, coach painters. Black Lamp, ordinary	. The soc
Black Ivory Drop, fair	и 10 4@0C 12@15C
Black Ivory Drop, best	20C
Black Paint, in oil	cans, 9c
Disc Prussian, fair to best in oil	35@400
Plus Chieses dev	35@4oc
Disc Theremovine	
Blue Chinese, dry Blue Ultramarine Brown, Spanish Brown, Van Dycke Green, chrome. Green, chrome, in oil	1200130
Prome Van Ducke	r@rec
Creen chrome	800150
Green chrome in oil	@12@15C
Green Parisgood. acc	hest, asc
Green Paris, in oil	hest, asc
Iron Paint, bright red	B B akc
Iron Paint, brown	8 10 1%c
Iron Paint, purple	B D ac
Iron Paint, ground in oil, bright red	# 10 sléc
Iron Paint, ground in oil, red	B D SC
Iron Paint, ground in oil, brown	B 10 416c
Iron Paint, ground in oil, purple	B B 6c
Linseed Oil, raw	51C
Iron Paint, ground in oil, red. Iron Paint, ground in oil, red. Iron Paint, ground in oil, brown Iron Paint, ground in oil, purple Linseed Oil, raw. Single Boiled.	53C
Donnie	330
Mineral Paints	2@4C
Orange Mineral	IOC
Red Lead, American	.6%(@)7C
Red Venetian, (English) dry \$1.50	o to \$1.75
Red Venetian, in oilassorted cans, 9c;	kegs, oc
Red Indian, dry	8(B)12C
Kose Pink	10@130
Mineral Paints Orange Mineral Red Lead, American Red Venetian, (English) dry \$1.50 Red Venetian, in oil assorted cans, 9c; Red Indian, dry Sienna, American, raw Sienna, Burnt	40
Sienna burnt in oil	- Barsc
Sienna raw	8@xsc
Sienna, raw. Umber, burnt. Umber, burnt, in oil	4@8c
Umber, burnt, in oil	8@15C
Umber, raw	14@714c
Umber, raw, in oil	8@15C
Vermilion, Chinese	goc
Umber, raw in oil Umber, raw in oil Vermilion, Chinese Vermilion, English Vermilion, American, common	.60@65C
Vermilion, American, common	15C
White Lead, American, pure dry	6@6%c
White Lead, American, pure dry White Lead, American, pure in oil White, Paris, English, primein brls	0@0%c
White, Paris, English, primein bris	. 1%@2C
White, Paris, English, prime	ham 60
Vallow Ochre, French, in on assi d chs, 9c;	1/021/4
Vellow Chrome	800x8c
Vellow Chrome, in oil	@12@18c
Zinc White, American, No. 1, dry	s@6c
Zinc White, American, No 1, in oil	7@gc
Zinc White, French (Parish) dry	9@120
Zinc White, French in oil	10@14C
OILS.	
OILS.	
Bleached W. Sperm oil	- @1 o5
Nat.	@1 00
" Whale oil	75(0) 72
Prime Land oil	58@ 60
	55@
Labricating oils	12@ 25
Miners' oil	45@ 55
	3700 -

PAINTS, OILS, &c.	Bentine. \$\pi\$ gal., \$\pi\$ joc Turpentine. \$\pi\$ gal.,
The second secon	Chalk block
PAINTS.	Drugs potent Am'n asst'd case So, have an
Black Lamp, coach painters \$\bar{\pi}\$ \$\bar{\pi}\$ be 20c Black Lamp, ordinary \$\bar{\pi}\$ \$\b	Frostings
Black Lamp, ordinary B to 4006c	Glue, white
Black Ivory Drop, mir1266150	Glue sheet
Black Ivory Drop, best	Glue ordinary office
Black Paint, in oilkegs, oc; assorted cans, oc	Glaziers' Points rine 8c
Blue Prussian, mir to best35@40c	Gum. Conal
Blue Prussian, fair to best, in oil35@40c	Gom, Damar250
Blue Chinese, dry700	, John, January 11, 11, 11, 11, 11, 11, 11, 11, 11, 11
Blue Ultramarine	
Blue Ultramarine	
Green, chrome8@15c	→METALS.►
Green, chrome in oil	THE LEAD OF
Green, Chrome, in on	
Cores Paris in oil good each best age	
Green, Paris, ill Oli	TIN PLATES.
from Paint, bright red	
Iron Paint, orown	
from Paint, purple	BLOCK TIN.
Iron Paint, ground in oil, red	"Lamb and Flag," and "Straits."
Iron Paint, ground in oil, brown	Large Pigs
fron Paint, ground in oil, purple	Large Pigs. 21 Small Pigs. 22
Lineed Oil, raw	Bars
Single Roiled	
Green, chrome. 8@45c Green, chrome, in oil 9@42@45c Green, Paris 1 01 9@42@45c Green, Paris 1 01 9@42@45c Green, Paris 1 01 900d, aoc; best, a5c Green, Paris 1 01 900d, aoc; best, a5c Green, Paris, in oil 900d, aoc; best, a5c Iron Paint, brown 90 10 10 Iron Paint, brown 90 10 10 Iron Paint, ground in oil, bright red 90 55c Iron Paint, ground in oil, red 90 55 Iron Paint, ground in oil, red 90 55 Iron Paint, ground in oil, prown 90 10 10 Iron Paint, ground in oil, prown 90 10 10 Iron Paint, ground in oil, prown 90 10 Iron Paint, ground in oil, purple 90 10 Iron 90	No - Defense Tinners' Solder,
Mineral Paints	No. 1 Refined
Owner Mineral roc	Market Half-and-Half
Red Lead, American	Strictly Half-and-Half 10
Red Venetian, (English) dry \$1.50 to \$1.75	ROOFING PLATS.
Red Venetian, in oil assorted cans, oc; kegs, 6c	IC. 14x90, Choice Charcoal Terne 5 50
Red Lead, American	IC, 14x20, Choice Charcoal Terme 5 50 IX, 14x20, " 7 75
	IX, 14x20, Choice Charcoal Terne
Sienna, American, raw	IX, 20x28, " " " 14 50
Sienna, Burnt4C	
Sienna, burnt, in oil8@150	ing, genuine "old style" redipped. 14 00
Sienna, raw8@150	IX, 20x28, " " " 18 00
Imber, burnt4@8c	CONTR. BU A SHIP
Umber, burnt, in oil8@15C	
Umber, raw3½@7½c	IC, 10x14, bright, "B. V." grade
Umber, raw, in oil8@150	IC, 14x20, " 4 75 IX, 14x20, " 6 75
Vermilion, Chinesegoc	IC, 10x20, Gutters 8 75
Sienna, burnt, in oil	SHEET ZINC.
White Lead, American, pure dry6@61/c	In casks of 600 fbs., \$ fb 51/2
White Lead, American, pure dry	In smaller quantities, # D 6
White, Paris, English, prime in bris. 15/92c Vellow Ochre, French 15.75 Vellow Ochre, French, in oil assi'd cns, 9c; kegs, 6c Vellow Ochre, American in bbls., 13/911/2c	TIN PLATES.
Yellow Ochre, French\$1.75	IC, 10x14, Charcoal
Yellow Ochre, French, in oil asst'd cns, 9c; kegs, 6c	IC, tox14, Charcoal 5 50 IX, tox14, 4 7 50 IC. 12x12, 4 5 70
Yellow Ochre, Americanin bbls., 11/611/20	IC, 13X19, " 5 70 IX, 13X19, " 7 70 IC, 14X30, " 5 50 IX, 14X30, " 7 50
	1A, 19X19, " 7 70
Yellow Chrome, in oil9@12@18c	IC, 14820, " 5 50
Cinc Write, American, No. 1, dry5@oc	14.20, " 7 50
Zinc White, American, No 1, in oil	1XX 14X20, " 9 50
Yellow Chrome, in oil	IXXX, 14X20, "
Cinc white, French in oil 10@140	IXAAA, 14820, 13 50
OILS.	DC 100 Plate #
	DV 100, Plate 5 50
Not # # # U	DVV 100, " " 7 50
W Flenhant oil	1X, 10X14,
Bleached W. Sperm oil	DXXX, 100, " " 9 55 DXXX, 100, " " 9 55
Prime Lard oil	
Extra No. 1 Lard oil	No r Ordinary
Extra No. 1 Lard oil	Antimony
diners' oil	Excelsior Rabbitt Metal, No. 2
Miners' oil 45@ 55 W. Pressed Fish cil	ff ff ff ff ff ff
W. Pressed Fish cil	No. 1 Ordinary 9 Antimony 18 Excelsior Babbitt Metal, No. 2 10 LEAD.
	Pig 4
Best Filtered " " 65@-	Bar, (15 oz. bars)
Sest Filtered " "	Sheet
	Pipe, full coils
Paraffine 1366 20	ripe, iun cons

F	ACTURERS RECORD.
100 190 146 140 100 100 100 119 180 180	COPPER. Tinned Sheathing, 14x48, 14, 16, 15 0x
	BRASS.
	ROLL AND SHEET BRASS,
	Brown & Sharps's Gauge the Standard.
	New List, Jan. 17, 1884. Dis 25 ≸
	COMMON HIGH BRASS.
	Wider than { 2 10 12 14 16 18 and including, } 10 12 14 16 18 20
	To No. 20, inclusive, .21 .22 .23 .25 .27 .20
ž.	2100. 21, 22, 23 000 2422 .23 .24 .20 .20 .30
5	Nos. 25 and 26 921/2 .231/2 .241/2 .27 .29 .31
•	Nos. 27 and 28
3	and lengths.
5	Add % c. w Ib. additional on each number thinner than Nos. 28 to 38 inclusive. Brass thinner than No. 28 is Platers' Brass.
50 95 00 50 00	at
50	common High Brass.
75 75	SLITTING METAL.
75	Add to list as follows:
3%	Over ½ in to 2 in., inclusive, Nos. 22 to 20, inclusive
50	Win, and narrower, not less than
50 70	inclusive
70	inclusive
50	inclusive
50	not less than
50	Over 1/2 in. to 2 in., inclusive, Nos. 29 to 32,
50	Over 1/4 in to 1/4 in., inclusive, Nos. 29 to 32,
50	inclusive 3
50	16 in. and narrower, Nos. 29 to 32, inclusive,
50	not less than 19
55	Over 1/2 in. to a in., inclusive, No. 33 and
55	Over 1/4 in. to 1/2 in., inclusive, No. 33 and
	thinner
1	% in. and narrower, No. 33 and thinner, not
3	less than 15
)	Slit Metal cut to particular lengths, & B. ad-

	N COILS.	
Old English gau		ird.
	nmon	Gilding,
	igh Low	Bronze and
	rass. Brass.	Copper.
All Nos. to No. 16,		
inclusive \$.as	\$.26	\$.30
Nos. 17 and 18 23		31
" 19 and so 14	88	39
et 91 us	39	33
" 99 9		34
" a3 al	30	36
364000000000000000000000000000000000000		38
*3*************************************		40
30		43
27		46
201111111111111111111111111111111111111		31
Wy		54
30 40		
31		67
3# 35		. 73
33 39		82
34		95
35 ***** 70		1.30
36 76		1.90
37		1.70
39 1.30		2.00
" 40 3.60		3.95
Spring Wire, 2 cts. \$ 10. a Whitened Wire, 3 cts. \$ 1		5-75
Wire.		
Spooling on one-pound a		
Spooling on ten-pound sp	pools or more	, a ces. h m.
minera mi	TUBING.	
Brown & Sharpe's Gau	ge the Stan	dard for all
Tubi	ng.	Per fb.
Plain, to No. 20, inclusive	**********	
Above 5-16 inch to 3 inche	s, inclusive	
Plain, to No. 31, above 3 i	nches	45
41 g-16 inch to No. so.		45
" 16 inch		60
41 3-16 inch		
" % inch		I.50
Bronze Tubing 3 cents pe	er pound more	than Brass.
Nos. 21, 22, 23, two cents	advance on	list for each
number.		1101 101 0000
Nos. 24, 25, 26, four cent	s advance on	list for each
number.		1101 101 10101
Above No. 26, special rate	s.	
All Mandrel-drawn Tube	s, 36 inch an	d above, five
cents advance on list pri	ces.	
All Mandrel-drawn Tube	s under 36 i	nch, twenty-
five cents per pound adv	ance on list p	rices.
Fancy Tubing to No. 20		
English, Scotch and Ex-	tra Pattern I	Fancy
Tubing to No. 20		41
Walter remark or	to 4 feet lo	ng, one cent
lubing sawed or cut, a		
Tubing sawed or cut, a advance on list.		
advance on list.		
Tubing sawed or cut, a advance on list. Add to one cent one-hal cutting under two feet.		

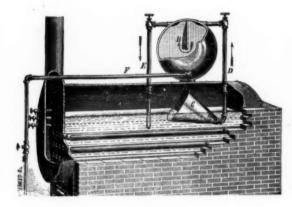
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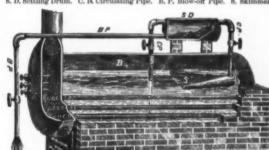
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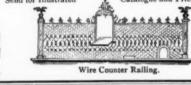
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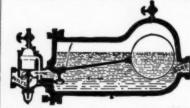


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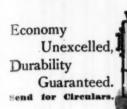
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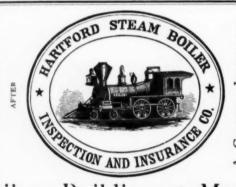
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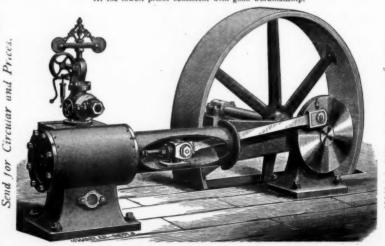
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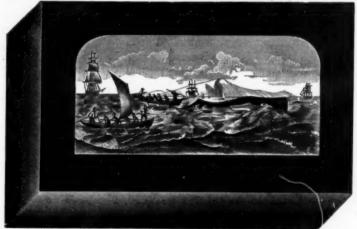
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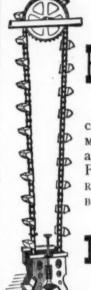
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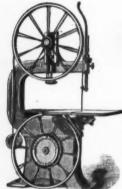
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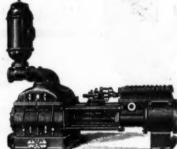




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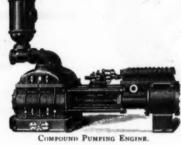
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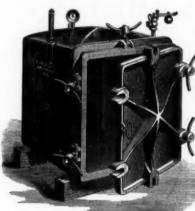
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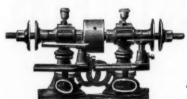
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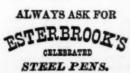
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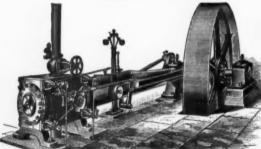
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